



**june 15-july 17
july 20-august 22**

SUMMER SESSION 1964
athens, ohio



Digitized by the Internet Archive
in 2011 with funding from
LYRASIS Members and Sloan Foundation

<http://www.archive.org/details/ohiosummerbullet1964ohio>

OHIO UNIVERSITY BULLETIN

The 1964 Summer School



FIRST TERM: JUNE 15—JULY 17
SECOND TERM: JULY 20—AUGUST 22

OHIO UNIVERSITY
ATHENS, OHIO

Volume LXI

March 1964

Number 3

Published by Ohio University, Athens, Ohio in January (twice), March, April, August, and November. Entered at the Post Office at Athens, Ohio, as Second-Class Matter under Act of August 24, 1912.



THE JOHN CALHOUN BAKER UNIVERSITY CENTER WITH THE CAMPUS GREEN
IN THE BACKGROUND

CONTENTS

SECTION	PAGE
To the Prospective Student	5
The Challenge of Rapid Growth at Ohio University	6
The 1964 Summer Session Academic Calendar	7
Administrative Officers of Ohio University	8
Advantages of Summer Study	9
Organization of the University: Curricula and Degrees	10
Admissions Information and Instructions	13
Accreditation	15
Registration	15
Summer Fees: Application, Matriculation, Registration and Graduation Fees	16
Board and Room Fees, and Refund Regulations	17
Financial Aids: Scholarships, Loans, and Part-Time Employment	19
Income Tax Deductions for Teachers	19
Financial Benefits for G. I. Bill Trainees	19
Graduation Requirements	20
Living Arrangements: Applications, Special University Housing for Men and Women at Least 23 Years of Age, and Housing for Married Students	22
The University College	24
The Graduate College: Admissions Regulations and Course Areas Offered	25
Ohio University Facilities and Services	26
University Library, Hudson Health Center, Bureau of Appointments	27
Testing and Counseling Services, Laboratory Schools	28
Cultural-Recreational Activities and Facilities	28
Baker Center, Summer Theatre, General Recreation and Entertainment, University Convocations, Distinguished Lecturers	28
Workshops, Institutes, and Special Events	31
Calendar	32
For College Students, Elementary or Secondary Teachers and Administrators, and Other Adults	33
For High School Students	39
Summer Session Courses of Instruction	47



STUDENTS GATHER ON THE CAMPUS GREEN AFTER SUPPER FOR AN
UNDER THE ELMS CONCERT

To the Prospective Student

Ohio University, established by an act of the Legislature of the State of Ohio in 1804, became the first institution of higher learning in the Northwest Territory. Those who planned its founding were members of the original Ohio Company of Associates who came from New England and understood well the supreme importance of higher education. Through more than a century and a half the University has grown into a complex organization of seven colleges, six schools, six branches, and other major divisions. Year-round study opportunities are provided, and programs leading to undergraduate and graduate degrees, including the doctorate, are available.

The University is coeducational. It is fully accredited, and is constantly improving its facilities and its instructional services to afford the best possible educational opportunities. Because it is assisted by the state, the costs of attendance are lower than at most universities of similar high standards.

Ohio University offers an extensive program of recreational activities and intramural sports for all students. In inter-collegiate competition its varsity teams consistently rank high in Mid-American Conference.

There are on the campus 200 student organizations in which participation is encouraged as a valuable aid in developing leadership and civic responsibility. Students sit as active members on several committees concerned with the government of the University and the regulation of campus life.

The University and the Athens community present many cultural advantages. There are frequent and varied professional and student concerts, plays in the fine University Theatre, art exhibits, lectures, and other programs of general or special interest.

Home of the University in scenic southeastern Ohio is Athens, a city of 17,000. Athens is conveniently accessible by automobile on U.S. Routes 33 and 50 and State Route 56. Athens is on the main Baltimore-St. Louis route of the Baltimore and Ohio Railroad. North and south bus service is provided by the Lake Shore System and Trailways; east and west service by Greyhound.

Ohio University is a friendly university. The faculty and administration strive to provide students with the best possible educational opportunity. With over 10,200 students on its compact residential campus, Ohio University is large enough to sustain a true university atmosphere but not so large as to endanger the personal relationship that should exist between every student and his university.

The University welcomes the serious consideration of all who are giving thought to the preparation they need to live a rich and effective life.

THE CHALLENGE OF RAPID GROWTH AT OHIO UNIVERSITY

As a state-assisted university of high quality, Ohio University recognizes its responsibility to prepare for the student population explosion. One of the major problems confronting the university will be to determine the number of students it can admit to the main Athens campus or to the branches while simultaneously raising its academic standards.

In addition to the 10,200 students enrolled on the Athens campus in September of 1963, there were 5,000 students registered in the six branches. The 1973 student population of the University may reach 26,000.

The Summer Session is an important element in Ohio University's dynamic growth. Enrollment for the two 1963 terms totaled 4935 students, an increase of ten per cent over the 4463 students registered in 1962. This substantial increase may be attributed to increasing recognition by students and teachers that earning twelve hours of academic credit during a ten-week period is a very worthwhile way to spend the summer. All signs point to a continuing growth in Summer Session enrollment in 1964 and future years.

THE 1964 SUMMER SESSION ACADEMIC CALENDAR*

June 13—Sat. Pre-College Counseling for Freshmen entering Ohio University on June 15, 1964.

June 15—Mon. First five-week term opens; advising, counseling, and registration for both terms. (Previously enrolled students who do not complete registration by mail should request permit to register before May 22.)

June 16—Tues. Classes begin.

June 17—Wed. Last day for registering for the first term.

June 20—Sat. Last day for adding five-week course by change order.

June 20—Sat. Last day to withdraw from a course.

June 22—Mon. Last day for partial refund of fees to students who withdraw.

June 22—Mon. Last day for graduate student to be admitted to candidacy for a master's degree in the summer session.

July 4—Sat. Last day for undergraduate students in first term and graduate students registered in either term to file application for a degree to be awarded on August 22.

July 4—Sat. Holiday

July 10—Fri. Approved draft of dissertation in form for final editing (for August graduation) due in Graduate College Office.

July 15—Wed. Final date for master's comprehensive examinations.

July 17—Fri. Last day of classes for first five-week term.

July 18—Sat. Final examinations during the last scheduled class meeting.

July 18—Sat. Approved draft of thesis in form for final editing (for August graduation) due in Graduate College Office.

July 18—Sat. Advising, counseling, and registration of students not enrolled first term, 10:00 to 11:00 a.m. (Previously enrolled students who do not complete registration by mail should request permit to register by June 26.)

July 20—Mon. Second five-week term opens with classes.

July 21—Tues. Last day for registering for the term.

July 25—Sat. Last day for adding five-week course by change order.

July 25—Sat. Last day to withdraw from a course.

July 27—Mon. Last day for partial refund of fees to students who withdraw.

July 27—Mon. Last day for undergraduates in second term to file application for graduation on August 22. Graduate students shall have filed application by June 22.

Aug. 12—Wed. Last day for thesis or dissertation oral examinations.

Aug. 14—Fri. Theses and dissertations due in Library and abstracts due in Graduate College Office.

Aug. 19—Wed. Candidates' grades due in Registrar's office, 4:00 p.m.

Aug. 21—Fri. Last day of classes. Final examinations during the last scheduled class meeting.

Aug. 22—Sat. Summer term closes; commencement.

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

*A Calendar of Workshops and Institutes appears in another section of the Bulletin.

ADMINISTRATIVE OFFICERS OF OHIO UNIVERSITY

<i>President of Ohio University</i>	Vernon R. Alden, M.B.A., LL.D., Cutler Hall
<i>Vice President for Academic Affairs, and Director of the Summer Session</i>	Thomas S. Smith, Ph.D., Cutler Hall
<i>Vice President for Business Affairs</i>	Paul R. O'Brien, A.B.C., Ewing Hall
	* * *
THE UNIVERSITY COLLEGE	Gaige B. Paulsen, Ph.D., <i>Dean</i> , Cutler Hall
THE COLLEGE OF ARTS AND SCIENCES	Rush Elliott, Ph.D., <i>Dean</i> , Tupper Hall
THE COLLEGE OF BUSINESS ADMINISTRATION	Paul L. Noble, Ph.D., <i>Dean</i> , Copeland Hall
THE SCHOOL OF JOURNALISM	Loren J. Hortin, A.M., Litt.D., <i>Director</i> , Copeland Hall
THE COLLEGE OF EDUCATION	Gilford W. Crowell, Ed.D., <i>Dean</i> , McCracken Hall
THE COLLEGE OF ENGINEERING & TECHNOLOGY	Edwin J. Taylor, Jr., M.S., <i>Dean</i> , Engineering Building
THE SCHOOL OF HOME ECONOMICS	Vivian M. Roberts, Ph.D., <i>Director</i> , Agriculture and Household Arts Building
THE COLLEGE OF FINE ARTS	Earl C. Seigfred, Ph.D., <i>Dean</i> , Space Arts Building
THE SCHOOL OF ARCHITECTURE	Space Arts Building
THE SCHOOL OF DRAMATIC ART AND SPEECH	Claude E. Kantner, Ph.D., <i>Director</i> , Speech Building
THE SCHOOL OF MUSIC	Karl Ahrendt, Ph.D., <i>Director</i> , Music Hall
THE SCHOOL OF PAINTING AND ALLIED ARTS	Frederick D. Leach, Ph.D., <i>Director</i> , Space Arts Building
THE GRADUATE COLLEGE	Donald R. Clippinger, Ph.D., LL.D., <i>Dean</i> , Cutler Hall
THE BRANCHES	Albert C. Gubitz, A.M., <i>Dean</i> , Cutler Hall
	* * *
<i>Director of Admissions</i>	Jerry D. Reese A.B., Wilson Hall
Registrar	Robert E. Mahn, A.M., Ewing Hall
<i>Director of Housing</i>	Anthony M. Reis, B.S.C., Ewing Hall
<i>Dean of Students</i>	William R. Butler, Ed.D., McGuffey Hall
<i>Dean of Men</i>	Thomas B. Dutton, Ed.D., McGuffey Hall
<i>Dean of Women</i>	Margaret M. Deppen, M.S., McGuffey Hall
<i>Assistant Director of the Summer Session and</i>	
<i>Director of Summer Institutes and Workshops</i>	Thomas R. Forbes, Jr., M.B.A., Cutler Hall

ADVANTAGES OF SUMMER STUDY

The 1964 Summer Session, representing for Ohio University the seventy-fourth consecutive year of summer time study, will consist of two five-week terms, June 15—July 17 and July 20—August 22. In conjunction with the two regular semesters, this provides the opportunity for year-round study and research. A graduate assistant may take advantage of study with waiver of the general registration fee during the summer sessions immediately preceding and following the period of his appointment.

Formal graduation exercises on Saturday, August 22 for all summer graduates will mark the close of the Summer Session. Special arrangements are made to accommodate students completing requirements at the close of the first term who return to Athens August 22 for graduation exercises and other special events.

The courses of the Summer Session are an integral part of the academic year, with every college represented in the summer curriculum offerings. All courses are taught by members of the regular faculty or visiting lecturers of outstanding ability. All courses are equivalent to those offered in the regular academic year in method, content, and academic credit.

Summer courses range from the freshman to the doctoral level and are selected from the broader offerings of the regular year to meet the needs of the following:

1. Teachers and school administrators who wish to complete degree requirements or take specific courses to improve their professional standing and keep abreast of developments in the field of education. Offerings which contribute to advancements in certification by the State Department of Education will be available.

2. High school graduates who desire to begin their college education at once. By entering in the summer and attending the three subsequent summers, a student may complete the usual four-year college program in three years. Some will find attendance valuable for removing deficiencies in high school mathematics and English. The cadet program for elementary teaching cannot be completed in four semesters unless the student has completed high school algebra and Euclidean geometry. Those courses may be completed in the summer term before beginning the work of the fall semester.

Students classified as on special warning because of low test scores in addition to low standing in high school are urged to begin their work in the summer session since the beginning program for these students will not be available in the fall semester. Should a special warning student fail to attend the 1964 Summer Session, his next opportunity to begin his program will be in February, 1965.

3. Veterans and war orphans who wish to take advantage of federal aid to carry college work.

4. Entering students, or students enrolled during the regular year, who wish to accelerate their progress toward degrees.

5. Graduate students who find it necessary or desirable to utilize summer periods for study. Such students may complete one third of the master's degree requirements in two five-week sessions.

6. Branch students who wish to study full-time or part-time on the Athens campus during either or both summer sessions.

7. Persons who are not working for degrees but who want to enroll for specific courses and types of training in the elective studies program.

ORGANIZATION OF THE UNIVERSITY CURRICULA AND DEGREES

THE UNIVERSITY COLLEGE

Basic preparation for admission to each of the degree-granting colleges
Two-year terminal programs leading to the Associate in Arts degree

THE COLLEGE OF ARTS AND SCIENCES

Curricula leading to the degrees Bachelor of Arts and Bachelor of
Science
Preprofessional curricula

THE COLLEGE OF BUSINESS ADMINISTRATION

Curricula leading to the degrees Bachelor of Science (major in Agriculture),
Bachelor of Business Administration, and Bachelor of Science
in Secretarial Studies

The School of Journalism

Curricula leading to the degree Bachelor of Science in Journalism

THE COLLEGE OF EDUCATION

Teacher-training curricula leading to the degree Bachelor of Science
in Education

THE COLLEGE OF ENGINEERING & TECHNOLOGY

Engineering Curricula leading to the degrees Bachelor of Science in
Chemical Engineering, Bachelor of Science in Civil Engineering,
Bachelor of Science in Electrical Engineering, and Bachelor of
Science in Mechanical Engineering

Curriculum leading to the degree Bachelor of Science in Industrial
Technology

The School of Home Economics

Curricula leading to the degree Bachelor of Science in Home Eco-
nomics

The Department of Industrial Arts

THE COLLEGE OF FINE ARTS

Curricula in three schools leading to the degree Bachelor of Fine Arts
The School of Dramatic Art and Speech
The School of Music
The School of Painting and Allied Arts

Curriculum in the School of Architecture leading to the professional
degree Bachelor of Architecture

THE GRADUATE COLLEGE

Programs leading to the degrees Master of Arts, Master of Business
Administration, Master of Education, Master of Fine Arts, Master
of Science, and Doctor of Philosophy

OHIO UNIVERSITY BRANCHES IN OHIO AT

Chillicothe
Ironton
Lancaster
Martins Ferry
Portsmouth
Zanesville

THE DIVISION OF PHYSICAL EDUCATION AND ATHLETICS

THE RESERVE OFFICERS TRAINING CORPS

Air Science
Military Science

THE UNIVERSITY EXTENSION DIVISION

Extension Classes
Evening School
Correspondence Courses

Detailed information about the undergraduate colleges is available in the General Catalog. Information about graduate study is available in the Graduate College Bulletin. Brief descriptions of the University College and the Graduate College are included here.



AN AERIAL VIEW OF THE OHIO UNIVERSITY CAMPUS. IN THE FOREGROUND
ARE THE ELEVEN EAST GREEN DORMITORIES WHERE SUMMER STUDENTS LIVE.

ADMISSIONS INFORMATION AND INSTRUCTIONS

ADMISSION OF UNDERGRADUATE STUDENTS

(See "The Graduate College" for Admission of Graduate Students)

All correspondence pertaining to the admission of a student to the University should be addressed to the Director of Admissions, Ohio University, Athens, Ohio.

Students are accepted for admission to the University at the beginning of each of the five-week summer terms on the same basis as at the beginning of each of the semesters of the regular school year. Students who plan to attend both five-week terms are urged to register for both terms at the beginning of the first summer term.

A student entering Ohio University for the first time must file simultaneously an admission application, medical history, physical examination report, and machine tabulating information. The application (to obtain application blank, use the form on the last page of this bulletin) must be accompanied by a fifteen dollar (\$15) non-refundable application fee. In addition, the student must present a transcript of all previous high school or college work attempted, plus the required test results for out-of-state residents. Please note that the medical history and physical examination reports must be submitted with the immunization record. Both the smallpox vaccination and tetanus immunization are required for admission.

A student who has attended another college or university and who plans to come to Ohio University for the summer session *only* is not required to provide transcripts of previous college credit, but the student must furnish a statement from the school last attended that the student is in good academic standing. In addition, an admission application must be submitted.

A student attending a summer session *only* is not required to provide the medical and vaccination report.

A housing application and agreement form is not mailed to the student *until after the Director of Housing has been informed of the applicant's acceptance*. All freshmen under 21 years of age and all other undergraduate students under 23 years of age are required to live in University residence halls.

APPLICANTS FROM OHIO (High School Graduates). All residents of Ohio who are graduates of approved high schools and who have not attended another college are eligible for admission to the University. This, of course, is contingent upon the availability of housing. A student who has been enrolled for full time study in another college or has completed 12 semester hours must apply as a transfer student.

Special Warning Status will be assigned to an entering student who ranks in the lowest third of his high school graduating class and scores in the lowest third of the American College Test or Ohio State Psychological Examination. Since his capability for success in meeting the initial demands of university level work is very low, a Special Warning student enrolls in Psychology 9, "Improvement of Reading and Study Methods," and in other courses, such as English 1 and Social Science 9, "Citizenship in the Modern World." He is also required to complete vocational counseling during his first semester.

Because this program will not be available to him in the Fall Semester, a Special Warning student will be required to enter the University at the beginning of the First Summer Term or the Spring Semester. *No provision will be made for the initial enrollment of a beginning Special Warning student in September.*

Each applicant who ranks in the lowest third of his high school class must be evaluated for Special Warning status. An evaluation for a student ranking in the lowest third of his high school class will be possible for any who (a) takes the American College Test or (b) comes to the campus for testing during his senior year in high school. If, in the opinion of the Admission Committee, his test results indicate ability to enter a regular freshman program, he can be cleared for admission as a regular student even before his final high school rank becomes available. Students will be notified through their high schools about the above-named testing program.

TRANSFER APPLICANTS. A student who has been enrolled for full-time study in another college or has completed 12 semester hours must apply as a transfer. The student who desires to transfer to Ohio University must have a point-hour ratio of 2.25 (on a 4.0 basis), if a resident of Ohio, or 2.5 (C+) if a non-resident of Ohio, on all hours attempted in all his previous college work. In addition, the student must be eligible for good standing at Ohio University.

The applicant must submit a transcript of his high school credits and from each college in which the applicant has been registered, whether or not credit has been granted. Though a final decision of admission will not be granted until all college work has been completed prior to entering the University, a provisional decision of admission can be made based on all work previous to the current term. A false statement on the application for admission with reference to previous college attendance will be considered just cause for denial of admission.

APPLICANTS FROM OUT OF STATE. (High School Graduates). Applicants who are not residents of the state of Ohio are welcomed to apply for admission to Ohio University. Their admission will be based on promise of outstanding academic success. In addition to the requirements for admission of a state resident, the out-of-state resident is required to submit the test results of the Scholastic Aptitude Test of the College Entrance Examination Board. Other tests may not be used as a substitute. The student will also be evaluated on the basis of the type of high school attended and the pattern of the subjects studied, especially the subjects which prepare him for college work. Though an interview is not required, it is strongly recommended.

SPECIAL STUDENTS (Non-Degree). A mature person (whether or not a high school graduate, and ordinarily 21 years of age or over) not planning to work toward a degree may be accepted as a *Special Non-Degree Student*. Such a person must file an application for admission to the University and clear through the Admissions Office. He is permitted to carry a full class load and may take any courses for which he is qualified.

ACCREDITATION

Ohio University is accredited by the North Central Association of Colleges and Secondary Schools, and by the recognized professional accrediting associations identified with its major academic divisions. The University holds membership in the leading state and national educational and professional associations.

REGISTRATION

Students are urged to apply for the privilege of registration by mail well in advance of the opening of the session. The form for this is included in this bulletin.

Students who do not register in advance will find details concerning the registration procedure in the Schedule of Classes which may be obtained from the Registrar.

ACADEMIC LOAD. The normal academic load for a five-week term is six semester hours.

CREDIT. All credit is designated in semester hours. The credit hours applicable to any given course taken in a five-week summer term are the same as for a full semester.

AUDITING PRIVILEGE. At the time he is advised a student may receive permission to audit courses. The courses must be marked "Audit" on the schedule and registration cards. The fee for auditing is the same as for credit.

SUMMER FEES

APPLICATION FILING FEE—\$15.00 for undergraduates; \$5.00 for graduate students. The appropriate fee must accompany each application sent to the Admissions Office.

MATRICULATION FEE. This \$10.00 fee is paid upon first registration in the University as a classified student. A student, who transfers elsewhere and returns, pays the fee again upon readmission (one who attends another college as a transient student does not pay). A student who is dropped pays the fee again when he is reinstated.

COMPREHENSIVE REGISTRATION FEE. This fee includes the general registration fee; the student activity fee; the student service fee for health, library, and testing, and other facilities; and the course and laboratory fees. This fee excludes fees for private instruction, as in music and bowling, which are listed in the course description.

Students should register according to instructions contained in the insert in the center of this bulletin. *Enrollment before or on June 15 will be for both terms, June 15-July 17 and July 20-August 22.* The registration on July 20 is for those registering only for the second term who were not eligible to register by mail.

The following fee schedule applies to both graduate and undergraduate students. **THE FEE FOR EACH STUDENT IS DETERMINED FROM THIS SCHEDULE AT INITIAL REGISTRATION. ADDITIONS following initial registration ARE ALSO ASSESSED ACCORDING TO THIS SCHEDULE WITHOUT REFERENCE TO THE INITIAL REGISTRATION.** These fees apply to single-term courses, courses extending over both five-week summer terms, workshops offered for credit, or a combination of workshops and courses.

Fee			Fee		
Credit Hours of Registration	Resident of Ohio	Non- Resident	Credit Hours of Registration	Resident of Ohio	Non- Resident
1	\$ 20	\$ 40	8	\$120	\$240
2	40	80	9	140	280
3	60	120	10	160	320
4	80	160	11	160	320
5	80	160	12	160	320
6	80	160	13	180	360
7	100	200	14	200	400
For each hour above 14, add _____				20	40

GRADUATION FEE. The application fee for a baccalaureate or a graduate degree is \$15; for the Associate in Arts degree, \$7.50. Application for graduation made after the date specified in the calendar requires an additional fee of \$5.

INCIDENTAL FEE FOR GRADUATE ASSISTANTS — \$40.00 for the ten-week Summer Session, or \$20.00 for a single term.

REFUND OF FEES. Voluntary and official withdrawal from the University during either term entitles the student to a refund of seventy-five per cent of the comprehensive fee through Monday of the second week. There is no refund after this date.

BOARD: Residents in all University housing accommodations are *required* to eat in University dining halls.

The cost of board for each five-week term is either \$65 (which includes 21 meals, Sunday through Saturday of each week) OR \$55 (which includes 15 meals, Monday through Friday of each week).

Students living in private homes may arrange to eat in a University dining hall, but must continue with such arrangements until the end of the five-week term.

ROOMS: Room rates, per student, for each five-week term are \$61 for a single room and \$41 for a double room. These rates include a \$1 retaining fee per each five-week term which is not part of the room rent and is not refundable.

Rooms in all residence halls are furnished with dressers, study tables, chairs, and bed linens. The University provides for the laundering of bed linens. Items such as blankets, bed spreads, towels, toilet articles, and such accessories as draperies and desk lamps must be provided by the student.

CANCELLATIONS AND REFUNDS: Full refund of the advance room payment will be made to a student requesting cancellation by the Saturday preceding the opening of the term for which application is made. After that, refunds will be on the basis of 75 per cent of the advance room payment (less charges for period of occupancy) if application is made before the end of the first week. A week is interpreted to mean a calendar week ending on Saturday.

A student cancelling before, or withdrawing during, the term will be refunded the unused portion of the board payment.

SUMMARY OF BASIC EXPENSES FOR ONE FIVE-WEEK SUMMER TERM

A full-time in-state student taking four to six credit hours, living in a double room in a University dormitory, and eating all meals in a University dining hall would have the following expenses for one five-week summer term:

\$ 80	Tuition
41	Room
65	Board
<hr/>	
\$186 Total for one term	



VOIGT HALL, RESIDENCE HALL FOR WOMEN

FINANCIAL AIDS

Students may be assisted in furthering their education during the summer sessions by applying for three types of financial aid: scholarships, loans, and part-time employment. Applications should be received by May 1.

Students desiring information concerning any of these types of aid should direct their inquiries to the Director of Student Financial Aids, Ohio University, Athens, Ohio.

TEACHERS MAY DEDUCT COST OF ATTENDING SUMMER SESSION ON INCOME TAX RETURNS

The courts have ruled that when summer session attendance is required of a teacher as a condition of reemployment, the cost of such attendance is deductible as a "necessary business expense" in reporting income for Federal income tax purposes.

It is suggested that teachers who feel that they have a legitimate basis for a summer session expense deduction consult a representative of the U. S. Bureau of Internal Revenue concerning the matter.

FINANCIAL BENEFITS FOR G. I. BILL TRAINEES

Veterans and orphans of veterans entering Ohio University for the first time and expecting Government aid should report to the Veterans Office in Ewing Hall for the completion of appropriate forms.

Public Law 550 veterans (Korean G.I. Bill) should bring with them a copy of their Certificate for Education and Training (Form 7-1993) issued by the Veterans Administration. Public Law 894 (Disabled Korean G.I. Bill) veterans must be approved by the Training Officer who makes periodic visits to the campus. Public Law 634 students (orphans) should also report to the Veterans Office as soon as possible after arrival on campus.

Veterans who carry non-credit toward degree courses as part of their load may expect to receive only partial benefits.

GRADUATION REQUIREMENTS

UNIVERSITY CATALOG. For complete details concerning university regulations and requirements, see the General Catalog of the University.

PROFICIENCY IN ENGLISH. As a condition of graduation from Ohio University, every student must demonstrate his ability to write clear and correct English. Students who fail to make a grade of A or B in English 4 or in English 293 take the Proficiency Test. Those who fail the Test report to the Writing Clinic.

SCHEDULE FOR ENGLISH PROFICIENCY TESTS AND WRITING CLINIC

First Term: Writing Clinic at 4 p.m. on June 16, 17, 18, 22, 23, 24, 25, 29. Proficiency Test at 7 p.m. on June 30.

Second Term: Writing Clinic—none. Proficiency Test at 7 p.m. on August 4.

PHYSICAL EDUCATION: Men students have a flexible requirement. The normal requirement of two semester hours credit in service courses may be reduced by passing physical proficiency and sports tests which are offered at pre-registration periods and near the close of each summer term.

Women students are required to complete two semester hours credit in service courses.

Exemption from the physical education requirement is made automatically by the Registrar for a graduate student, for a student who is 30 years of age or over, or for a veteran who is 25 years of age or over, provided that he has completed the requirement up to and including the semester in which he attained the required age.

RESIDENCE. In general the minimum residence requirement for a baccalaureate degree is two semesters or the equivalent in summer sessions which should total not fewer than 25 weeks with the completion of a minimum of 30 semester hours. If only the minimum requirement is met, the 25 weeks must constitute final residence.

FINAL EXAMINATIONS. All students are required to take final examinations in order to receive credit. Final examinations are held during the last week of each term.

APPLICATION FOR GRADUATION. A candidate for graduation must make application for graduation in the Registrar's Office not later than the dates given in the University Calendar.

TIME LIMIT. The time limit for fulfilling the published requirements for a degree is five years from the date of first registration in the University. Requirements instituted subsequent to the student's registration are applicable at the discretion of the University.

The following additional regulations apply:

1. A student who is advanced to a degree college at the end of his first year, and who does not change his major or equivalent, fulfills the requirements in effect at the time he first registered in the University.

2. A student who is retained in the University College for more than one year fulfills the requirements in effect at the time he enters the degree college. If he changes his major or equivalent he fulfills the requirements in effect at the time he makes the change.

A transfer student is governed by the same regulations, except that the number of years in which to complete the degree requirements is reduced by the number of years of transferred work.

MINIMUM STANDARD FOR GRADUATION. To meet the minimum standard for graduation from Ohio University, a student must have a point-hour ratio of 2.0 (C) on all hours attempted, but including only the final hours and points in repeated courses. This applies to his total record, and to his major or equivalent as determined by his college. For a student with transferred credit, this rule applies to both his cumulative record, which includes transferred credits, and to his Ohio University record exclusive of transferred credits.

A student who fails to graduate because of a grade point deficiency may take, with approval of his dean, up to a maximum of 6 semester hours of work in correspondence, extension, or branches of Ohio University to make up his deficiency. Work may not be taken at another college to make up this deficiency.

SUMMER SESSION COMMENCEMENT. Degrees and diplomas are awarded at formal graduation exercises at the end of the second five-week term. Attendance at graduation exercises is required of candidates in attendance the second term, unless excused.

LIVING ARRANGEMENTS

All undergraduate students (except those 23 years of age and over) carrying four hours or more must board and room in University housing during the summer terms. This rule also applies to married undergraduate students under 23 whose husbands or wives do not reside with them in Athens. Exceptions are made for commuters and legal residents of Athens. Any other exceptions must be directed to the Director of Housing for consideration by the University Ways and Means Committee.

APPLICATIONS: The application for housing, which may be obtained by using the form provided on the last page of this bulletin, must be completed as directed and returned with the appropriate advance room and board payment to the Director of Housing, Ohio University, Athens, Ohio. Checks or money orders should be made payable to Ohio University. An application is considered only if accompanied by the required advance room and board payment. Since the number of single rooms available is limited, assignments are made in order of date of receipt of application with accompanying room deposit.

PRIVATE HOMES: Rooms in private homes are listed in the Office of the Director of Housing and a list of these is available upon request.

SPECIAL UNIVERSITY HOUSING FOR MEN AND WOMEN AT LEAST 23 YEARS OF AGE

In order to accommodate the graduate students, elementary or secondary teachers, and other adults who would like to live in university residence halls during the summer, Ohio University will open in 1964 one separate dormitory for women and a separate dormitory for men. To be eligible to live in one of these dormitories, a Summer Session student must be either a graduate student registered for graduate credit or an undergraduate student of at least 23 years of age.

The purpose of these dormitories is to permit adults of at least 23 years of age to associate with their colleagues in a dormitory where they are separated from freshmen and other younger undergraduate students. Each of these dormitories will be staffed by a Head of Residence from the Dean of Students' Staff at Ohio University, and there will be regular telephone service. There will be no hours of closing. It is understood that all other regulations of the university dormitories, including those prohibiting liquor or visitors of the opposite sex in the private rooms, will apply to each of the dormitories.

Ohio University cannot guarantee that all applicants for Summer School who request housing in these special dormitories will be placed there. Each dormitory will be filled on a first come-first served basis.

Prospective Summer Session students interested in taking advantage of this new housing plan should apply or inquire in the office of the Director of Housing, Ohio University, Athens, Ohio.

HOUSING FOR MARRIED STUDENTS

NOTE: The apartment and trailer park facilities are provided only for married students and their families.

PERMANENT APARTMENTS: 52 units (equipped with basic furniture including refrigerator and stove) located on Wolfe Street, adjacent to the University Golf Course. Rental rates range from \$70 to \$110 per month, and include all utilities.

BARRACK APARTMENTS: 112 units located on East State Street, approximately two miles from the Green. These apartments consist of a living room, bedroom, kitchen, and bathroom. Each has an abundance of closet space and is equipped with a gas cooking range and a gas circulating heating unit. Tenants must arrange to supply the additional needed articles. Rent: \$42 per month, including all utilities. Veterans are given preference in the assignment of these facilities.

PREFAB UNITS: 14 units located on East State Street, adjacent to the University Airport. Each is equipped with gas cooking range, oil heating unit, kitchen table and chairs, and dresser. The tenant must provide his own studio couch or bed, and refrigerator. Rent: \$30 per month, including gas and water. Veterans are given preference in the assignment of these facilities.

TRAILER PARK: The University trailer park, accommodating 36 privately-owned trailers is located on East State Street, adjacent to the University Airport. Space rental is \$14 per month, which includes water and sewerage. Toilet, bathing, and laundry facilities are provided for all trailer occupants. The rental charge does not cover electricity.

It is anticipated that vacancies will exist in these accommodations. A limited number of the apartments are usually available through sub-leasing to married students during the summer session.

For information concerning quarters for married students, write to the Director of Housing, Ohio University, Athens, Ohio. A request form is provided on the last page of this bulletin.

TRANSPORTATION: Convenient bus service is maintained by the University, on an hourly schedule when classes are in session, at no cost to the occupants of the East State Street area.

THE UNIVERSITY COLLEGE

The University College is especially concerned with helping the freshman make the transition from high school to college, and with making his freshman year a good educational foundation for later college work. Since all freshmen enroll in the University College, it is concerned primarily with the problems of first year students. Help is provided for selecting a schedule of classes, developing efficient methods of study, planning an educational program, and choosing a field of specialization.

Each student meets with his assigned faculty counselor. This counselor will help in preparing a schedule of classes, and each student is expected to confer with him at various times during the summer session. These conferences are arranged by the student for helping with such problems as he may wish to discuss.

The educational program of the University College is organized to meet the needs of the individual students. Required courses are determined on the basis of the high school record and the educational objective of that student. The work of the freshman year is planned to provide a basic general education and a preparation for later specialization. Specific courses which are important for professional training are available.

The University College also offers the associate in arts degree for the completion of two years of college work. This program includes certain general education courses and a selection of career courses. This meets the needs of those students who may not wish to devote four years to their college work. Attending college during summer session will shorten the time for completing the requirements for a four-year degree or the two-year Associate in Arts degree.

The starting program for *special warning* students is offered in the summer terms. Those students who graduate in the lowest one-third of their high school class and who also stand in the lowest thirty percent on the freshman tests are placed on special warning. Since the starting program for the special warning students is not available in the fall semester, these students must start their work either in the summer session or in a spring semester.

Students who are deficient in English and mathematics are advised to complete these studies during the summer and before assuming the full load of a regular semester's work. No student is advanced to a degree college unless he has completed Mathematics 1 and Mathematics 2.

All new students will report Saturday, June 13, for testing and counseling. A student who graduates in the lower one-third of his high school class may have his entering status determined by taking the ACT examination or by coming to the campus to complete his freshman tests before June 9. Any student planning to attend the summer sessions need not have an early evaluation of entering status. This will be done on Saturday, June 13. Students attending summer school will complete their fall schedule of classes through a counseling appointment during the summer terms.

THE GRADUATE COLLEGE

The Summer Session affords many graduate students, particularly teachers and school administrators, an opportunity to engage in advanced study. An increasing number of graduate students consider it desirable to maintain the continuity of their programs of study, and have found the less crowded summer facilities of the laboratories and the library especially conducive to research. In many areas it is possible to complete the requirement for a master's degree in three full summer sessions of ten weeks each. The graduate offerings of the summer session are enhanced by special programs of study, conferences, clinics, workshops, and visiting lecturers.

Application for admission must be made *at least three weeks in advance* of the term in which the student wishes to register.

Programs of graduate study are available in Arts and Sciences, Business Administration, Education, Fine Arts (including schools of Dramatic Art and Speech, Music, and Painting and Allied Arts), Engineering and Technology (Master's Programs in Industrial Arts, Home Economics, and in Chemical, Civil, Electrical and Mechanical Engineering), the School of Journalism, the Department of Photography, and the Division of Physical Education.

The Doctor of Philosophy degree may be earned in Chemistry, Education (including Administration, Supervision, Guidance Counseling, Elementary and Secondary Education), English, Fine Arts, Physics, Psychology, Public Address, Radio and Television, Speech and Hearing Therapy, and Student Personnel Services in Higher Education.

Scholarships are available to students of exceptionally strong scholastic qualifications. During the regular academic year assistantships with stipends of \$2,200 to \$2,400 and exemption from the general registration and laboratory fee portions of the comprehensive fee are granted to students in many areas of study. Research and teaching fellowships with stipends ranging from \$2,400 to \$4,200 are also granted in certain departments, the stipend being based upon responsibilities of the appointment and experience of the appointee.

Information concerning requirements for admission to the Graduate College, programs for degrees, course offerings, scholarships, and assistantships may be obtained, upon request, from the Dean of the Graduate College, Ohio University, Athens, Ohio.

OHIO UNIVERSITY FACILITIES AND SERVICES

Summer students have full use of all university facilities and may avail themselves of all its services.

PHYSICAL EXPANSION

Continuing progress on our building program is apparent to anyone who has viewed the West Green dormitory development. The first four of eleven new dormitories were completed in 1963. Five new residence halls are scheduled for completion by 1965.

Our newest classroom building, unique among fine arts facilities in the United States, was dedicated with a series of exhibits and scholarly lectures in November, 1962. The Space Arts Building houses the School of Painting and Allied Arts and the School of Architecture. It contains classrooms, photographic studios and darkrooms, an art gallery, a fine arts library, faculty offices, and a 255-seat auditorium.

Ellis Hall, one of Ohio University's oldest and largest classroom buildings, was completely renovated during the 1962-1963 academic year. This newly-modernized building is equipped with new language laboratories, television classrooms, and faculty offices.

Construction has been completed on our educational television station, and on January 3, 1963, WOUB-TV went on the air for the first time. A new video-tape recorder, contributed by the Ford Foundation, has enabled WOUB-TV to produce programs for delayed broadcast.

Land acquisitions, which increased the size of the main Athens campus by 85 per cent in 1963, will enable us to carry forward our plans for area and campus development. The Ohio University Fund invested approximately \$950,000 during 1963 in land purchases.

Approximately 216 acres of State Hospital land used for farming were transferred to Ohio University in June 1963 by an act of the General Assembly of Ohio.

A new University Inn is scheduled to open in the Fall of 1964. Built to serve the needs of the University, the city, and the surrounding area, the Inn will contain approximately 180 bedroom suites, seminar and conference rooms, a ballroom, a swimming pool, and several dining rooms.

Another group of friends of the University have constructed a complex of modern apartment buildings east of the campus. Approximately \$6 million is being invested in ten apartment buildings to provide housing for faculty members, graduate students, and other people who are attracted to our rapidly growing university community.

Architects have been employed and plans are underway to construct a new \$4,770,000 library. The latest scientific advances are planned for this electronic learning center.

A Science and Engineering Research Center is scheduled for construction in 1965. The State of Ohio has appropriated \$2,688,000 for Phase I of this science complex and another \$1,300,000 is expected from the Federal government.

UNIVERSITY LIBRARY

The Edwin Watts Chubb Library houses most of the University's collection of approximately 350,000 volumes, including periodical sets, documents, and pamphlets. In addition to the above count, the Library has 4,000 reels of microfilm, 4,500 microcards and over 65 boxes of microprint, all representing extensive resources. There is a reference collection of several thousand volumes and current issues of about 2,000 periodicals and newspapers. Collections of specialized materials are kept in appropriate departments, the major collections being in the College of Education, the College of Fine Arts, and the School of Music.

HUDSON HEALTH CENTER

The Center includes a complete clinic with X-ray, clinical laboratory and minor surgery, a fifty-two-bed hospital with an isolation wing, and a physiotherapy department. The staff includes four full-time doctors and eleven registered nurses. The Summer Session fee entitles a student to (1) out-patient clinic service, which usually includes ordinary medications; (2) hospitalization in the hospital without charge; (3) consultations with outside specialists at the discretion of the director; and (4) emergency service at all hours.

Major surgery and advanced diagnostic procedures cannot be performed at the Center and costs for such services must be paid by the student.

BUREAU OF APPOINTMENTS

Through the Bureau of Appointments, located in Cutler Hall, students, former students, and graduates of the University may obtain assistance in securing positions in teaching, business, and industry. A registration charge of \$2 provides this service while an applicant is enrolled as a student in the University and during his first year out of school. After the one year period, a charge of \$2 a year is made for each year in which assistance is requested. Students enrolled in Summer School who have already registered with the Bureau of Appointments are not required to pay an additional fee for service through the summer.

The Bureau maintains and promotes all possible connections with prospective employers for the benefit of persons seeking initial placement and for those looking toward advancement to better positions.

TESTING AND COUNSELING SERVICE

Complete vocational counseling is available to interested students. Students who feel they may be stimulated in their achievement by developing definite vocational and educational decisions in advance of preparing a fall schedule of classes should consider completing vocational counseling the summer before attending a pre-college counseling conference. Educational and vocational plans are developed on the basis of a survey of the abilities, interests, aptitudes, and achievements and also on the basis of the requirements for the occupations and their training programs. A fee of \$5.00 is charged students and prospective students to cover the costs of tests and scoring. Application for this service may be made by contacting the staff of the Testing and Counseling Service in Room 235, Porter Hall.

LABORATORY SCHOOLS

During the first five-week term of the Summer Session, the University will maintain school laboratory facilities at the University Elementary School. Educ. 274, Student Teaching for Advanced Students, will be offered for experienced teachers. Educ. 274 is open only to candidates for August graduation who have completed a minimum of three years of satisfactory teaching experience. Permission for admission must be secured from the Director of Student Teaching.

The summer program in the elementary school is devoted entirely to an enrichment program at all grade levels, kindergarten through sixth grade. This five weeks' program is not a continuation of the year's work and it is not a remedial session. A limited number of the children of students attending the University are welcome to attend the school during the summer term provided application is made in advance and there are available facilities. Children attend school in the morning only, and swimming and other activities are included in the summer curriculum. There is no tuition fee.

CULTURAL-RECREATIONAL ACTIVITIES AND FACILITIES

SOCIAL POLICY

The students, faculty, and administrative officers of the Ohio University and the community of Athens are united in their interest in maintaining a moral tone and a social pattern that is in keeping with good taste and acceptable social practice anywhere among educated people.

THE JOHN CALHOUN BAKER UNIVERSITY CENTER

The Center provides facilities for cultural, social, and recreational needs of students. The building contains three beautiful lounges, a large ballroom, dining rooms, cafeteria, snack bar, record listening room, television, conference rooms, and recreational areas for bowling, billiards, table tennis, and cards.

SUMMER THEATRE PRODUCTIONS

The Ohio Valley Summer Theatre, a joint project of Ohio University and the community of Athens, will present its fourteenth season of six plays. Students enrolled in the Summer Theatre Workshop form the nucleus of the acting company. The plays are produced and directed by members of the staff of the School of Dramatic Art and Speech. Summer Session students may purchase single admission tickets for 40c upon presentation of coupons which are issued to full-time students at registration. These coupons are underwritten by the Campus Affairs Committee and represent one of the privileges made possible by the student general fee. The regular single admission is \$1.25. The box office (Tel. LY 3-1378) is located in the Speech and Theatre Building on College Street.

GENERAL RECREATION AND ENTERTAINMENT

A variety of recreational facilities and summer entertainment are available to summer session students.

The Ohio University Summer Concert Band presents a series of four Tuesday evening concerts "Under the Elms" on the college green at the twilight hour. Popular concert favorites will be programmed. Guest conductors and soloists attending the summer sessions will be invited to participate in these programs. The concerts are free for the enjoyment of the student body, the people of Athens, and the surrounding communities. The dates are June 30, July 7, July 14, July 28, August 4, and August 11.

Students enrolled in the Summer Music Clinic will present a separate series of three evening concerts on June 20, 21, and 27.

As part of the summer entertainment program, feature motion picture productions are shown at least twice each week in Memorial Auditorium. The admission fee for summer session students and workshoppers is twenty-five cents.

Other recreational facilities include the natatorium, the tennis courts, the nine-hole golf course adjacent to the campus, and the Brandon T. Grover Physical Education Center.

Not many miles distant from Athens, and suitable as weekend diversions, are the attractions of four of the state's most scenic areas—Dow Lake, a new lake just east of Athens, within a 2000 acre state park area, which is used by the University for educational and research projects; Lake Hope, in the heart of the Zaleski State Forest; the caves and gorges of the Hocking Park Area; and Burr Oak Lake, near Gloucester.

UNIVERSITY CONVOCATIONS

At least one major all-campus convocation is scheduled for each summer term. Such a convocation ordinarily presents an authoritative speaker or an artistic attraction of distinction. In addition, the university presents one evening concert or dramatic performance each term by artists or groups of national prominence.

DISTINGUISHED RECENT LECTURERS

To stimulate greater interest and involvement in the major issues facing our nation and the world today, the Edwin and Ruth Kennedy Lecture Series has been established. A generous gift from the Kennedys, both alumni of Ohio University, enabled us to invite to the campus scholars and outstanding men and women of affairs. The 1963-1964 Kennedy Lectures are entitled "New Patterns and Predictions," and to set the tone for these lectures we borrowed the words of Robert Frost "Originality and initiative is what I ask for my country."

For the last two years, the lecturers and their topics were:

CHARLES FRANKEL — Professor of Philosophy at Columbia University — "The Case for Modern Man."

HAROLD TAYLOR — Former President of Sarah Lawrence College — "Peace and War and the Intellectuals."

MARGARET MEAD — Associate Curator of Ethnology at the American Museum of Natural History — "The Evolution of American Character."

ROBERT KENNETH CARR — President of Oberlin College — "Civil Liberties in the United States."

OSCAR HANDLIN — Winthrop Professor of History, Harvard University — "Minority Groups in American Society."

ARNOLD TOYNBEE — Royal Institute of International Affairs in London — "Civilization on Trial."

Other prominent speakers who

SARGENT SHRIVER — Director of the Peace Corps.

DAN H. FENN — Administrative Assistant in the White House.

KENNETH E. KRAMER — Executive Editor of *Business Week* magazine.

LEE A. IACOCCA — Vice President, Ford Motor Company.

WILLIAM L. SHIRER — Journalist and author of *The Rise and Fall of the Third Reich*.

W. MCNEIL LOWRY — Director of The Ford Foundation's Program in Humanities and the Arts.

ARLAND F. CHRIST-JANER — President of Cornell College (Iowa).

HANS ROSENHAUPT — National Director, Woodrow Wilson Fellowship Foundation.

HENRY STEELE COMMAGER — Professor of History, Amherst College.

WILLIAM O. DOUGLAS — Associate Justice of the Supreme Court of the United States — "Current Trends in Court Decisions."

ISADOR I. RABI — Higgins Chair in Physics, Columbia University — "Science and Human Aspirations."

MUHAMMAD Z. KAHN — President of the Seventeenth Session of the General Assembly of the United Nations — "The United Nations and the Middle East."

MARK SCHORER — Professor of Literature, University of California — "The Modern Hero."

MARSHALL D. SHULMAN — Research Associate at the Russian Research Center, Harvard University — "Security in an Era of Conflict."

VERA MICHELES DEAN — Professor of International Development, New York University — "New Trends in United States Foreign Policy."

appeared on the campus were:

HARRISON SALISBURY — Foreign Correspondent of *The New York Times*.

DR. KENZO KIGA — Academic Vice President of Keio University, Tokyo, Japan.

S. K. ROY — Indian Delegate to the United Nations.

HOWARD BAY — New York theatrical designer.

LEON KEYSERLING — Former economic advisor to President Truman.

HARRY GOLDEN — Author and humorist.

JAMES MACGREGOR BURNS — Professor of Government, Williams College.

ROBERT WEAVER — Administrator, Federal Housing and Home Finance Agency, Washington, D. C.

WORKSHOPS, INSTITUTES, AND SPECIAL EVENTS

During the summer of 1964, Ohio University will offer a number of workshops, institutes, and other special events. Some will be for high school pupils. These special events range from one day to ten weeks in duration. They will give participants an opportunity to work intensively at one project or in one area of interest. Most of the workshops designed for student participation will carry the possibility of university credit, but students should ascertain whether the credit earned in the particular workshop in which they enroll is applicable to the program they are carrying. A graduate student needs to be sure that the credit will be approved by his adviser and the dean of the Graduate College.

Most workshops, whether or not they offer the possibility of credit, will have a *basic inclusive fee* that will be assessed each participant. The *registration for credit fee* will be the regular summer term fee and be *in addition to the basic inclusive fee*. See FEES.

Students desiring undergraduate credit or registering as auditors in workshops will register on a simplified set of registration cards without the formality of obtaining an adviser's signature.

A student not previously registered at Ohio University will be admitted to a workshop by the Registrar as "Special Student, No Credits on File."

Students desiring graduate credit must be admitted to the Graduate College *three weeks prior to registration*.

CALENDAR OF WORKSHOPS AND INSTITUTES FOR COLLEGE STUDENTS, ELEMENTARY OR SECONDARY TEACHERS AND STAFF, AND OTHER ADULTS

(See pages that follow for details)

Ohio School of Banking	June 7-12
Ohio Workshop on Economic Education	June 15-July 3
Aviation Flight Experience Course for Elementary and Secondary Teachers	June 15-July 17 or July 20-August 22
Ohio Conservation Laboratory (at Yellow Springs, Ohio)	June 15-July 18
Ohio Valley Summer Theatre	June 15-August 1
Summer Speech and Hearing Clinic for Children	June 15-August 22
European Study-Travel Tour Taught by Ohio University English Professors	June 17-August 4
Instructional Leadership Conference	June 21-24
Guidance and Counseling Training Institute (NDEA)	June 22-August 14
The Monomoy Theatre at Chatham, Mass.	June 24-August 29
Housemothers' Workshop	June 28-July 4
Ohio University Alumni Colleges (2)	July 5-11 and 12-17
Ohio Bookmen's Club Exhibit	July 8-10
Administration and Supervision of School Transportation	July 20-24
Pre-College Counseling for Freshmen Entering Ohio University in September of 1964	July 20-August 13
Institute for Junior High School Teachers of General Science Sponsored by NSF	July 20-August 22
Institute for Credit Union Personnel	August 2-8
Physical Education Workshop for Elementary School Teachers	August 2-7
Elementary Teachers' Music Workshop	August 9-13

FOR HIGH SCHOOL STUDENTS

Forensic Summer Workshop	June 14-27
Music Clinic Workshop	June 14-27
Workshop on High School Publications (Journalism)	June 21-27
Science Research Workshop Sponsored by Ohio University in Cooperation with the National Science Foundation	June 28-August 22
Ohio Student Council Workshops (2)	July 5-10 and 12-17
Art Workshop	July 6-17

FOR COLLEGE STUDENTS, ELEMENTARY OR SECONDARY TEACHERS AND ADMINISTRATORS, AND OTHER ADULTS

OHIO SCHOOL OF BANKING

June 7-12

The Ohio School of Banking is sponsored by the Ohio Bankers Association. Attendance is limited to the officers and employees of member banks of the Association. The subjects covered by first-year students include Bank Operations, Investments, Bank Loans, Money and Banking, and Bank Law. The subjects covered by second-year students include Bank Operations, Commercial and Consumer Loans, and Public Relations. The fee includes board, room, and study materials.

For further information write to College of Business Administration, Ohio University, Athens, Ohio, or to the Ohio Bankers Association, Columbus, Ohio.

OHIO WORKSHOP ON ECONOMIC EDUCATION

June 15-July 3

The Thirteenth Annual Ohio Workshop on Economic Education will be sponsored jointly by the Ohio Council on Economic Education and Ohio University, with the cooperation of the Joint Council on Economic Education. The 1964 program will emphasize a study of America's basically private-enterprise economic system and the major socio-economic problems involved in its operation. Topics include economic resources, national income, money and banking, government finance, business enterprise, the market system, labor, agriculture, and international trade. Special attention will be devoted to recent developments in the economic education movement to conduct effective programs of economic education in Ohio schools. Lectures, discussion, review of curricular materials, and *the formulation of plans for local, in-service educational programs will characterize the workshop.*

Participation in the workshop will be limited to 25 Ohio teachers, principals, supervisors, and superintendents who are designated to represent their school systems as members of *Economic Education Leadership Teams*. Participants desiring to earn three hours of undergraduate or graduate credit will register for Education 358 and pay the registration fee of \$60. For those desiring graduate credit, application for admission to the Graduate College must be completed by May 25.

Concurrent with the closing phase of the workshop, an Economic Education Institute for school administrators, workshop alumni, and other educational leaders will be held from June 29 through July 3. No academic credit will be given for the clinic. Students attending the regular summer session are welcome to attend the lectures, panel discussions, and exhibits of materials.

Requests for additional information and scholarship application forms should be addressed to: Executive Director, Ohio Council on Economic Education, Copeland 107, Ohio University, Athens, Ohio.

AVIATION FLIGHT EXPERIENCE COURSE

June 15—July 17 or
July 20—August 22

A flight experience course developed as a comprehensive insight into aviation for teachers, primary and secondary, who are preparing to instruct in subjects in other fields. Eight hours flight training and necessary ground instruction in basic flight maneuvers, cross country flights with landings at large and small airports, night and instrument flying. Also included is a tour of a maintenance shop, a control tower, an airline operations office, and a weather bureau.

A laboratory course meeting 3 hours per week with 1 hour credit. Time is arranged by the staff at the Airport. Fee of \$75.

OHIO CONSERVATION LABORATORY

June 15—July 18

This workshop on conservation education is for teachers of all grades and subjects, elementary and secondary. Emphasis is on both the natural science and social aspects of natural resource problems. Individual papers are required on teaching conservation. The workshop is conducted at Glenn Helen, Antioch Outdoor Education Center, near Yellow Springs, Ohio. This workshop is listed under Education 388 and carries 6 hours credit. Those desiring graduate credit must complete application for admission to the Graduate College by May 25.

Requests for additional information should be addressed to Dr. Myron Sturgeon, Department of Geography & Geology, Ohio University, Athens, Ohio, or to Dr. Carl S. Johnson, The Ohio Conservation Laboratory, 1735 Neil Avenue, The Ohio State University, Columbus 10, Ohio.

OHIO VALLEY SUMMER THEATRE

June 15—August 1

The Ohio Valley Summer Theatre, now in its fourteenth season, is a joint University-community operation controlled by a Board of Directors consisting of faculty and townspeople. Each summer, beginning the second week of the Summer Session, it produces six full-length productions in the air-conditioned theatre in the Speech Building. The bill is changed each week, and each play has four performances, Thursday through Sunday nights.

Most of the roles are played by a student company of 20-25 members, supplemented by experienced townspeople, who also do the majority of the production work. Students desiring to be members of the regular company must apply for permission to enroll for three to six credits in Dramatic Art 347 or, for graduates, Dramatic Art 447. Assistantships sufficient to cover room and board in University facilities for approximately seven and a half weeks are available to a limited number of exceptionally well qualified applicants. Requests for application forms or further information should be addressed to the School of Dramatic Art and Speech.

Students who are not members of the regular company may earn one to three credits in Dramatic Art 147. There will also be limited opportunity for other students to try out for roles or to volunteer for service on production crews. Such students are invited to make inquiry to Dr. John A. Walker or Mr. Robert L. Winters at the theatre upon arrival on campus.

SUMMER SPEECH AND HEARING CLINIC

June 15—August 22

A special clinic for children with speech and hearing problems is sponsored by the School of Dramatic Art and Speech. The clinic will provide opportunities for observation and clinical practice for students enrolled in courses in speech and hearing therapy.

Remedial speech training is also available in both terms of the summer session for regularly enrolled University students. Students interested in either course work in speech and hearing therapy or remedial training should see Dr. A. C. LaFollette, Director of Speech and Hearing Clinic, Ohio University, Athens, Ohio.

EUROPEAN STUDY—

TRAVEL TOUR TAUGHT BY OHIO UNIVERSITY ENGLISH PROFESSORS

June 17—August 4

Ohio University, in co-operation with the Institute of European Studies, offers its first study-travel program. This 49-day program will include both a supervised tour through Greece, Italy, Germany, France, and England and the opportunity to obtain 6 hours credit while traveling.

The tour will travel by air from New York City to Athens (Greece) on June 17, remain in the vicinity of Athens for 8 days, move to Rome for 6 days, to Florence for 5 days, to Venice for 2 days, to Munich for 5 days, to Tuebingen for 3 days, to Constance for 2 days, to Paris for 5 days, to Mont St. Michel and Caen for 4 days, to London for 7 days, and to Stratford for 2 days during the Shakespeare Quadricentennial. In each of these cities, course lectures, tours, and visits at especially interesting places or with interesting persons are planned. The group will take important side trips to Mycene, Delphi, Pisa, Salzburg, Liechtenstein, Versailles, Chartres, and Oxford. The Institute will provide a European tour conductor to assist with language, directions, food and money.

Two English courses, selected as especially adaptable for such a tour, have been modified for presentations in places in Europe of special appropriateness: English 225, European Backgrounds of American Literature; and English 390, Readings in Continental and English Literature.

Readings in Continental and English Literature will include the studying of Greek tragedy and attending the performance of a Greek tragedy in the amphitheater at Epidaurus just outside Athens, reading Roman satire while in Rome, studying Dante's *Inferno* in Dante's Florence, reading medieval morality plays and visiting in Salzburg a site of their medieval and

modern performance, and reading the Shakespeare plays that the group will attend at the Shakespeare Memorial Theater in Stratford.

European Backgrounds for American Literature will discuss Hawthorne's *The Marble Faun* in Rome and Venice; selections from Twain's *Innocents Abroad* and *A Tramp Abroad* in southern Germany, and *A Connecticut Yankee* in England; Howells' *Indian Summer* and *Venetial Life* in Venice and Rome; and Henry Adams' *Mont St. Michel and Chartres* at Mont. St. Michel and Chartres.

These courses will carry Ohio University credit, which may be applied either to a degree at Ohio University or transferred to another school; they will be taught by members of the Ohio University Department of English.

In addition, students will have the opportunity to explore their European surroundings during 18 free half-days distributed throughout the 49 days. Immediately before departure for the United States, students will have an additional free day in London.

The cost of the entire 49-day tour is \$1,306.00 (Out-of-state students will be required to pay \$80.00 additional tuition.) This comprehensive fee will include air transportation from New York to New York; bus, rail, and boat transportation in Europe as required by the itinerary; board and room in Europe; baggage transfers; standard tips for meals and travel services; tuition and registration. Not included are such personal services as laundry, table drinks, tips at hotels for additional personal services. A deposit of \$80.00 must accompany each application; this deposit is non-refundable in the event the student cancels his registration.

The registration deadline is February 28. Application forms must be received at Ohio University by that date. Registration is limited to 35 students. Requests for application forms should be addressed to:

European Study-Travel Program
Box 244
Ohio University
Athens, Ohio

INSTRUCTIONAL LEADERSHIP CONFERENCE

June 21, 22, 23, 24

Theme: Improving Instruction Through Team Teaching

A conference for supervisors, curriculum directors, and elementary and secondary school principals and others interested in current instructional problems. For further information concerning the conference theme and registration, write to Leadership Conference, Center for Educational Service, Ohio University, Athens, Ohio.

COUNSELING AND GUIDANCE TRAINING INSTITUTE

June 22—August 14

The institute, which will be for the eight weeks of the second summer term, is being conducted under contract with the United States Office of Education under Title V-B of the National Defense Education Act. Eligible participants, thirty in number, will be provided an intensive period of

professional preparation. Only secondary school teachers and counselors who will, during the 1964-1965 school year, be engaged in recognized guidance service are eligible. Those desiring graduate credit must make application for admission to the Graduate College by July 1. Substantial stipends to cover living expenses are provided. Additional information may be obtained from Dr. Dean L. Hummel, College of Education, Ohio University, Athens, Ohio.

THE MONOMOY THEATRE

June 24—August 29

The Monomoy Theatre, at Chatham, Massachusetts, on Cape Cod, is operated by the Ohio University School of Dramatic Art and Speech as a laboratory-showcase theatre for advanced undergraduate students and graduate students.

Located in the center of an active summer theatre district, Monomoy produces eight plays in eight weeks.

Approximately twenty students will be accepted for enrollment in Dramatic Art 347 or 447, for from three to eight hours credit. Students desiring graduate credit must apply for admission to the Graduate College by May 25. All members of the company must be registered at Ohio University for the first summer session.

Students live on the theatre premises and devote full time to production activities. Opportunity is provided for those whose interests are specialized in such areas as acting, scene design, costuming, light design, promotion, and publicity. Board-and-room scholarships are available.

For further information, write to Christopher Lane, Director, Monomoy Theatre, Ohio University, Athens, Ohio.

HOUSEMOTHERS' WORKSHOP

June 28—July 4

For information concerning the Housemothers' Workshop, write to Miss Margaret Deppen, Dean of Women, or Mr. Thomas B. Dutton, Dean of Men, Ohio University, Athens, Ohio.

SECOND ANNUAL ALUMNI COLLEGES

July 5-11; July 12-18

The 1964 Summer Alumni College will include two one-week sessions. Alumni may register in either session, or both.

This program in continuing education was originated by the Alumni Association, with the cooperation of Ohio University. Participants use university dormitories and dining halls, and study in regular classroom situations directed by University faculty.

A tentative schedule of 1964 courses includes: July 5-11, Analysis of the 1964 Presidential Campaigns, Interpretive Acting, and Contemporary Literature; July 12-18, Current Trends in China and Southeast Asia, Painting—Theory and Practice, and Contemporary Economic Issues.

Supplementing classroom work will be afternoon recreation in golf, bowling and swimming, with evenings reserved for group discussions and guest lecturers.

For Alumni College information, write to Jack Gilbert, Alumni Secretary, Alumni Office, Ohio University, Athens, Ohio.

OHIO BOOKMEN'S CLUB EXHIBIT

July 8—10

Representatives of the Ohio Bookmen's Club will be on campus to display textbooks, illustrative materials, and other types of supplies and materials. The exhibit will be held in the College of Education Building.

ADMINISTRATION AND SUPERVISION OF SCHOOL TRANSPORTATION

July 20—24

Ohio University and the Transportation Division of the Department of Education of the State of Ohio are sponsoring a training program for supervisors of transportation of school districts. The program is designed for school officials who have the responsibility for pupil transportation.

Topics covered include selection, training, and supervision of bus drivers, specifications for supervision of the servicing and maintenance of buses, route scheduling, pupil control, public relations, insurance problems of transportation, and school bus safety.

One hour of graduate credit may be earned by those who qualify and meet the research requirement. Application for admission to the Graduate College must be completed by June 27.

For additional information write to the Center for Educational Research and Service, Ohio University, Athens, Ohio, or to the Supervisor of Transportation, Department of Education, State of Ohio, Columbus, Ohio.

INSTITUTE FOR JUNIOR HIGH SCHOOL TEACHERS OF GENERAL SCIENCE

July 20—August 22

The institute is made possible by a grant from the National Science Foundation. Sixty-four teachers of general science in junior high schools will be awarded stipends up to \$75 per week, and up to \$15 per week for each dependent, and will be exempt from registration fees. The major objective of the institute is to bring to science teachers a better understanding of old and new concepts in the subject matter of general science.

Participants may enroll for credit. Those desiring graduate credit must make application for admission to the Graduate College by July 1. Necessary application forms and complete information may be obtained upon request from L. P. Eblin, Director, Science Teachers Institute, Ohio University, Athens, Ohio. Completed applications must be returned to the director by February 15.

INSTITUTE FOR CREDIT UNION PERSONNEL

August 2—8

For information concerning the Institute for Credit Union Personnel, write to Prof. Harry B. Crewson, Ohio University, Athens, Ohio.

PHYSICAL EDUCATION WORKSHOP FOR ELEMENTARY SCHOOL TEACHERS

August 2—8

This workshop is designed for Elementary School Classroom and Physical Education Teachers. It should also be most informative and beneficial for elementary school supervisors.

The teaching staff, which includes well-known specialists, is assisted by the Ohio University Physical Education Faculty.

One semester hour of credit is available. The course number is P.E. 271. This semester hour of credit can be taken as professional credit or can be substituted for the required course P.E. 270, "The Teaching of Physical Education."

For application blanks and further information concerning the workshop write John R. O'Neal, Division of Physical Education and Inter-collegiate Athletics, Ohio University, Athens, Ohio. The deadline for receipt of applications is Thursday, July 23.

ELEMENTARY TEACHERS' MUSIC WORKSHOP

August 9—13

The workshop is for classroom teachers, music teachers, and music supervisors in grades kindergarten through eight. The staff includes well-known music specialists and is assisted by Ohio University Music Education faculty.

One hour of credit may be secured by those who register for credit. If graduate credit is desired, the application for admission to the Graduate College must be completed by July 18. Room and board in University dormitories will be available.

Applications must be received by the Workshop Director by August 1, and registration may be completed by mail.

For application blanks and further information, write to Dr. Katherine Crews, School of Music, Ohio University, Athens, Ohio.

FOR HIGH SCHOOL STUDENTS

FORENSIC SUMMER WORKSHOP

June 14—27

This workshop is sponsored by the School of Dramatic Art and Speech for high school students of sophomore, junior, or senior rank.

Emphasis will be placed on an analysis of the high school debate proposition for the 1963-64 season, preparation of a bibliography, study and

evaluation of evidence, construction of the brief, and formal debate practice. Opportunities will also be provided for practice in parliamentary law, extemporaneous speaking, group discussion, oratory, and oral interpretation.

The fee is \$23. Board and room will be available in University residence halls at \$45 for the two-week period. Thus the total fee is \$68.

Applications and fees are to be mailed to the Office of the Treasurer as soon as possible and not later than June 10. Checks are payable to Ohio University.

For further information, write to Dr. Don F. Faules, Business Manager, Workshop in Debate, Ohio University, Athens, Ohio.

MUSIC CLINIC-WORKSHOP

June 14—27

This workshop in band, chorus, and orchestra is for boys and girls between the ages of 14 and 19 interested in music, and for the professional stimulation and growth of prospective and in-service music teachers.

A staff of outstanding guest conductors has been secured to direct the musical units.

For the music teacher there will be a variety of musical experiences including the opportunity to follow the development of three well-balanced bands, an orchestra, and chorus, and daily clinic and workshop sessions where all phases of music teaching and everyday problems of music instruction will be discussed by nationally recognized music education authorities.

A recreation and health program for the enjoyment and welfare of the members has been developed. Such activities as sports, dances, mixers, plays, and lectures on the campus and swimming, hiking, and sightseeing tours in "Scenic Southeastern Ohio" will be conducted.

The all-inclusive fee for the two weeks is \$68. This amount includes a workshop fee of \$26 and a charge of \$42 for room and board in university residence halls. In-service music directors may apply for assistantships which will cover the all-inclusive fee of \$68.

Two hours of university credit may be secured by teachers who register for credit in either the band, orchestra, or chorus clinic. The registration fee is \$40, unless the registration is part of a regular summer load for which the regular fee has been paid. No credit will be allowed to high school students. Students who desire graduate credit for the Music Clinic-Workshop must submit the application for admission to the Graduate College prior to May 22.

Address inquiries to Dr. Gilbert A. Stephenson, School of Music, Ohio University, Athens, Ohio.

Applications and fees are to be mailed to the Office of the Treasurer as soon as possible and not later than June 5. Checks are payable to Ohio University.



HARRISON SALISBURY OF THE NEW YORK TIMES (MIDDLE) VISITS
THE OHIO JOURNALISM WORKSHOP

WORKSHOP ON HIGH SCHOOL PUBLICATIONS

June 21-27

Designed for high school students and advisers, this workshop will include nine major areas: (1) editing and advising of regular letterpress newspapers, (2) editing and advising of mimeographed newspapers, (3) editing and advising of offset newspapers, (4) business phases of yearbooks, (5) business phases of newspapers, (6) editing and advising of yearbooks, (7) photography, (8) yearbook advisers, (9) newspaper advisers.

Special clinics will be held for industrial editing and advertising.

Fifty or more staff members, selected for their state and national recognition as high school journalism authorities, will conduct the workshop. Consultants and specialists in printing, engraving, cartooning, advertising, radio-television, art, and industrial editing will be available for advice and instruction.

High school advisers, by being admitted to Ohio University, may obtain university credit in "Supervising School and College Publications" by attending the first five weeks of the summer term at Ohio University, June 15-July 17. Students enrolled in this course, Journalism 378, may receive 3 hours of credit on the graduate or undergraduate level. They will be able to participate in the week of workshopping. Those desiring graduate credit must have completed their application for admission to the Graduate College by June 1.

Under the guidance of the faculty and staff, students will prepare and publish a small-sized yearbook and three "model" newspapers — (1) "The Workshopper", printed by letterpress; (2) "The Streamliner", printed by mimeograph; (3) "The Offset Gazette", printed by offset. The model "Yearbook" has the name "OUWNAY", the letters signifying "Ohio University Workshops — Newspapers and Yearbooks."

Included in the daily sessions will be convocations, lectures, field trips, round tables, forums, demonstrations, and displays. Air conditioned Cope-land Hall, home of the School of Journalism, will be the headquarters for the workshop.

Complete facilities are provided: typography, engraving, photography, and printing laboratories; UPI and AP wire services; visual aids and film equipment; radio and television equipment; libraries and specialized class-rooms.

Workshoppers are invited to bring copies of their newspapers and yearbooks for analysis and criticism by the staff and consultants. If requested, the School of Journalism staff will provide written critiques of the publications issued during the year.

All types of fun and recreation are provided: swimming, golf, bowling, sports, dancing, games, picnics, parties, teas, receptions, contests, picture shows, and get-togethers. Sigma Delta Chi and Theta Sigma Phi, men's and women's journalism fraternities, will provide guides and social assistants for the visiting journalists.

On "Commencement" night, June 26, all students and advisers will be awarded graduation diplomas for faithful participation and attendance. A banquet will precede and a graduation dance will follow the commencement program.

Each high school student attending the workshop will pay a total of \$30.00, which includes \$21 for board and room and \$9.00 laboratory fee. Total expenses for advisers will be the board and room charge of \$23. Laboratory fees and board and room charges are payable in advance. Advisers who enroll for University credit during the first five weeks will pay the customary university fees and charges.

Requests for information should be sent to Dr. L. J. Hortin, Director of the School of Journalism, Ohio University, Athens, Ohio.

Reservations should be made only through the Office of the Treasurer, Ohio University, Athens, Ohio. All checks should be made payable to Ohio University and mailed to the Office of the Treasurer of Ohio University as early as possible and not later than June 13.

SCIENCE RESEARCH WORKSHOP
SPONSORED BY OHIO UNIVERSITY IN COOPERATION
WITH THE NATIONAL SCIENCE FOUNDATION

June 28—August 22

Applications will be considered from young men and women who will have completed the eleventh grade in the spring of 1964 and who have shown outstanding ability and interest in science and mathematics.

The workshop will be operated with a staff of sixteen Ohio University professors and fifteen Ph.D. or Master candidates.

The participants will spend a minimum of thirty hours per week in the research laboratories of the university under the direction of a staff member engaged in an active research program in one of the following fields: (1) Physics, (2) Chemistry, (3) Biological Science. In conjunction with the research the student is doing, he will receive special lectures in selected topics by the research staff in his selected field of study, and he will attend and take part in seminars in his field. He will also receive lectures in associated fields by guest lecturers.

The recreation facilities of Ohio University are available to participants as they are to regular summer students. Concerts, plays, convocations, movies, parties, "mixers", and various types of competitive athletic tournaments are also part of the recreational schedule.

To be considered, properly completed applications must be postmarked by midnight, April 1, 1964. All applications postmarked before this deadline will receive equal consideration.

For application forms and further information write: Professor James T. Shipman, Director, Science Research Workshop, Ohio University, Athens, Ohio.

OHIO STUDENT COUNCIL WORKSHOPS

July 5—10; July 12—17

The eighth annual High School Student Council Workshops will be conducted under the joint sponsorship of Ohio University and the Ohio Association of Student Councils.

The first workshop will be a regular workshop meeting July 5-10. Attendance is open to elected officers of local councils.

The second workshop will be an Advanced Leadership Workshop meeting July 12-17. Two selected delegates from a high school may attend.

For further information, write to Dr. E. P. Lynn, College of Education, Ohio University, Athens, Ohio.

THE SUMMER ART WORKSHOP FOR HIGH SCHOOL STUDENTS

July 6—17

This workshop should be of special interest to those high school students who have demonstrable talent in art and who would consider choosing to develop this aptitude into a career potential.

The summer art workshop will serve to:

1. Recognize and encourage pre-college art students.
2. Provide a meeting ground where high school art students will receive the stimulus of mutually-shared interests.
3. Broaden the student's comprehension of the wide range of vocational opportunities included within the general field of art.
4. Help the student to determine his expectancy of success should he elect to pursue a university degree in art.
5. Acquaint the talented student with Ohio University's art curriculum and faculty. We are proud of the thoroughness of our program and the reputation of our faculty. We would invite the prospective college student to consider Ohio University in making his choice among schools.

During these two weeks the student will receive intensive classroom instruction in principles of painting, drawing, printmaking, ceramics, and sculpture. The accelerated nature of the program requires that the creative act, and its concerns, be emphasized, rather than the end result of creativity—the work of art itself. This is in keeping with the intent of a "workshop," which functions to encourage working, acting, doing, causing, and discovering rather than end results.

We expect that the products of the workshop will be sufficient in number and quality to merit exhibition: at the close of the session, an exhibition of these works will be held in the University Art Gallery.

In addition to classroom experiences, the workshop student will participate in evening meetings on the topics: Art philosophies, art history, and art careers. Persons notable in these areas will lead the discussions, and special art films will be scheduled.

Recreational events are scheduled for the workshop students. Also available to the workshop student are opportunities for informal swimming, hiking, golf, tennis, team games, and the recreational facilities of the Ohio University Student Center.

Summer, 1964 — APPLICATION FOR REGISTRATION BY MAIL

SEND THIS PAGE TO REGISTRAR, OHIO UNIVERSITY, ATHENS, OHIO, BEFORE MAY 15

This application form is for use by undergraduate or graduate students who have been registered at Ohio University (branch or main campus), or whose admission is complete, except entering freshman; also by new students, except entering freshmen, wishing to enroll for summer only; and by all students reapplying for admission.

If application and schedule is approved, registration cards will be sent to you with instructions for completing registration.

Name in full	First	Maiden-Middle	Last		
Home address	Number	Street	City	Zone	State
a. How long have you lived at this address? _____ If less than one year, give previous address _____					
b. Have you been dismissed by Ohio University or any other college or university within the previous twelve (12) months? _____ Yes _____ No _____					
c. Are you enrolling as a transient student? _____ Yes _____ No _____					
d. Are you enrolled in high school? _____ Yes _____ No _____					
e. Since your last enrollment at Ohio University, have you attended another college or university? _____ Yes _____ No _____					
If yes, please give the following information:					
Colleges Attended	Dates of Attendance	Total Hours Attempted at Each School			

Have you had the above institution(s) submit transcript(s) to the Director of Admissions of Ohio University? Yes _____ No _____
If no, it is required that you have the transcript(s) sent as a basis for readmission.

Do you plan to continue at Ohio University in the fall semester?

I certify that to the best of my knowledge the information above is true.

Signature and Date

Notice to Student—The following will be used by the machine tabulating division.
answer all questions accurately.

Mr.
Mrs.
Miss

Last Enrolled _____ Acad. Stand. _____

College _____

Mat. Fee _____

Student's Name _____ (Last) _____ (First) _____ (Middle) _____

Home Address _____ (Number) _____ (Street) _____ (City) _____ (Zone) _____ (County) _____ (State) _____

Name of Parent or Guardian _____

Address, if different from your home address _____

College _____ Rank _____ Degree _____

550
894
634

Sex _____ Married _____

Date and Place of Birth _____

Name of High School _____ Month and Year Graduated _____
From Which Graduated _____ from High School _____

Address of High School _____ (City) _____ (County) _____ (State) _____

Major: _____ Minor(s): _____

In which session do you wish to re-enroll _____

If summer, do you plan to continue in fall? Yes _____ No _____

DO NOT USE THIS SPACE

Res. _____ Br. to Campus _____

Former _____ Number _____

THIS FORM IS NOT FOR STUDENTS PRESENTLY ENROLLED ON CAMPUS. STUDENTS ENROLLED ON CAMPUS WHO WISH TO ATTEND SUMMER SCHOOL SHOULD REPORT TO THE REGISTRAR'S OFFICE BETWEEN APRIL 6 AND 18.

Courses for which I wish to register and for which I have completed prerequisites:

	Call No.*	Dept.	Cat. No.	Descript. Title	Hrs. Cr.	Meeting Time**
First Term:	1.					
List 10 wk. courses with first term	2.					
	3.					

Second Term: 1.

2.

3.

Are you presently enrolled at Ohio Univ.? _____ If yes, check Campus. _____ Branch. _____ Corresp. _____
Date of last registration at Ohio Univ. _____ Enrolled in College of _____ for degree of _____

Mr. _____
Miss _____
Mrs.: _____
Name: _____
First _____ Maiden-Middle _____ Last _____
(as it appears on
Ohio Univ. record)

Complete Mailing Address: _____

*Enter if you use
schedule of
classes.

**Check time care-
fully. Do not in-
dicate courses that
conflict in hours.

Adhere to load
requirements.

List all ten-week
courses with first
term.

Dear: If this request is approved, initial it here _____ and return to Registrar. If not approved, return with
reason indicated _____
Student: This approved schedule may be changed only by change order. _____

Expenses:

The all-inclusive workshop fee for the full two weeks is as follows:

Workshop fee, including daily instruction, evening seminars, film showings, etc.	\$37.00
Recreation and Health Center, including tours, swimming, sports and social activities.	1.50
Room and board, three meals daily and lodging in supervised university dormitories.	46.50
	<hr/> \$85.00

(Total expense for student not residing in dormitories
is \$38.00)

For further information, write to Mr. James E. L. Eldridge, School of
Painting and Allied Arts, Ohio University, Athens, Ohio.



PHOTO OF BAKER CENTER VERANDA THROUGH
TREE ON CAMPUS GREEN

COURSES OF INSTRUCTION

Classes in the Summer Session are held five days a week, Monday to Friday, inclusive. Class periods are 90 minutes in length, with ten-minute intervals between. The schedule begins at 7:00 and continues with classes at 8:40, 10:20, 12:00, 1:40, and 3:20.

Normally, a class carrying three semester hours of credit meets daily, Monday through Friday, for 90 minutes; a class carrying two hours of credit meets daily, Monday through Friday, for 60 minutes; and a class carrying one hour of credit, on Tuesday and Thursday, for 90 minutes.

In the list of offerings a typical title line contains the following information: (1) course number, (2) course title, (3) semester hours of credit, (4) hour(s) and days of the week on which the class meets (see note below), and (5) the instructor. "Arranged" means that the time of meeting is arranged in a conference between instructor and student.

In a course carrying variable credit the credits may be expressed thus, (1 to 4), indicating that one hour is the minimum and four hours the maximum amount of credit allowed for the course in one summer term.

The catalog number indicates the student classification for which the course is designed. The numbers are grouped as follows: 1 to 99, for freshmen; 100 to 199, for undergraduates above freshman level; 200 to 299, for advanced undergraduates; 300 to 399, for advanced undergraduates and graduate college students; and 400 to 499 for graduate college students exclusively.

A Schedule of Classes giving, in addition to the information below, the meeting places of classes may be obtained from the Registrar.

NOTE

Unless otherwise indicated, courses meet each day, Monday through Friday, at the hours shown.

Some 4 and 5 hour courses will continue for both summer terms (10 weeks). This is indicated following the course title.

ACCOUNTING

(FIRST TERM)

75. ELEMENTARY ACCOUNTING	3	8:40	Reininga
The fundamental principles of accounting theory and practice as they affect corporations, partnerships, and proprietorships.			
125. INTERMEDIATE ACCOUNTING	3	10:20	Neubig
Preparation and analysis of accounting statements; special problems in accounting for current, fixed, and intangible assets, for liabilities, and for corporate net worth; funds and reserves; and investments. Prereq., 76.			
175. COST ACCOUNTING	3	7:00	Reininga
Manufacturing cost determination under the job-order and process systems. Prereq., 76.			
381. RESEARCH IN ACCOUNTING	1 to 3	Arr.	Staff
Prereq., 305, 324, permission.			
391. SEMINAR IN ACCOUNTING	3	8:40	Neubig
Prereq., 15 hrs., permission.			
491. SEMINAR IN ACCOUNTING (2 sections)	3	8:40	Neubig
7:00 M Th p.m. Neubig (Eight-Week Course)			
Prereq., permission.			
495. THESIS	1 to 6	Arr.	Staff
Prereq., permission.			

(SECOND TERM)

76. ELEMENTARY ACCOUNTING 3 8:40 Sheppard
A continuation of Accounting 75. See description under 75, first term. Prereq., 75.

126. INTERMEDIATE ACCOUNTING 3 10:20 Sheppard
A continuation of Accounting 125. See description under 125, first term. Prereq., 125.

381. RESEARCH IN ACCOUNTING 1 to 3 Arr. Staff
Prereq., 305, 324, permission.

495. THESIS 1 to 6 Arr. Staff
Prereq., permission.

AGRICULTURE

(FIRST TERM)

1. INTRODUCTION TO AGRICULTURE 3 7:00 DeVeau
A general education course for all students to develop an understanding of the efficient use and conservation of agriculture's resources. A survey of the different agricultural enterprises, their interrelationships, and their relation to state and national agricultural problems. Identification of crops and livestock and their use.

102. GARDENING 3 10:20 DeVeau
A study of the production, marketing, and preservation of vegetables for the home and market. A survey of plants raised in the garden and greenhouse. Garden planning and flower arrangement.

(SECOND TERM)

211. GREENHOUSE PRACTICES 3 8:40 DeVeau
Experience in the University greenhouse in planning and conducting greenhouse operation practices. Prereq., permission.

322. AGRICULTURAL PROBLEMS 1 to 3 Arr. DeVeau
Intensive individual work either in research or in systematic reading or both in some advanced phase of agriculture under the guidance of the instructor to meet the needs and interests of the student. Maximum credit in course, 9 hrs. Prereq., 15 hrs., permission.

ARCHAEOLOGY

(FIRST TERM)

101. INTRODUCTION TO ARCHAEOLOGY—EGYPT 3 1:40 Hultgren
Methods, types, and techniques of archaeological work and excavation, with emphasis on Egyptian sites.

(SECOND TERM)

101. INTRODUCTION TO ARCHAEOLOGY—EGYPT 3 1:40 Hultgren
See description under 101, first term.

ART

(FIRST TERM)

1. DRAWING & DESIGN 3 1:40-4:10 W. Moran
Emphasis on the inseparability of drawing and design. Aesthetic principles are dealt with as they arise out of the specific problems rather than as separate entities. Required of freshmen art students.

3. ELEMENTARY DESIGN FOR TEACHERS 2 8:40-10:20 W. Moran
Principles of design, color, lettering, and related problems. Planned for students who expect to major in elementary education.

105. PAINTING 2 or 3 8:40-10:20, 11:10 Pettigrew
Introduction to basic problems and techniques. Prereq., 101 or permission.

109b. INTAGLIO PRINTS 2 or 3 1:10-3:20, 4:10 Driesbach
Prereq., 101 or permission.

115. CERAMICS 2 or 3 8:40-11:10 Lin
Introduction to production processes, the chemistry of glazes and simple geology of clays. Prereq., 101 or permission.

205. PAINTING 2 or 3 8:40-11:10 Pettigrew
Basic techniques and practices in oil painting. Prereq., 105 or equiv.

209b. INTAGLIO PRINTS 3 1:40-4:10 Driesbach
Prereq., 109 or equiv. Maximum credit in course 6 hrs.

215. CERAMICS 3 8:40-11:10 Lin
Wheel throwing process and decorative techniques. Slide lectures and introduction to glaze testing methods. Prereq., 115 or permission. Maximum credit in course, 6 hrs.

218. WATER COLOR 3 1:40-4:10 C. L. Smith
Maximum credit in course, 6 hrs. Prereq., 101 or equiv.

301. INDIVIDUAL PROBLEMS 1 to 3 Arrange Staff
Senior and graduate registration for individual instruction. Prereq., permission. Maximum credit in course, 12 hrs.

305. ADV. PAINTING 2 or 3 8:40-11:10 Pettigrew
Maximum credit in course, 6 hrs. Prereq., 205 or equivalent.

309b. INTAGLIO PRINTS 3 Arrange Driesbach
Maximum credit in course, 6 hrs. Prereq., 12 hrs. and permission.

315. ADV. CERAMICS 3 Arrange Lin
Advanced production methods. Construction of potter's wheel, ball mill, and electric kilns. Advanced glaze and clay testing techniques. Maximum credit in course, 6 hours. Prereq., 12 hrs., including 115 and permission.

381. RESEARCH 1 to 5 Arrange Staff
Individual problems of theory and practice involving research techniques. Prereq., permission.

405. ADVANCED PAINTING 1 to 5 Arrange Pettigrew
Advanced work in traditional contemporary media. Solutions to the student's problems are sought in relation to his personal objectives. Maximum credit in course, 12 hrs. Prereq., permission.

409b. PRINTMAKING 1 to 5 Arrange Driesbach
Experimental work in various print media and combinations thereof. Maximum credit in course, 12 hrs. Prereq., 309 and permission.

415. CERAMICS 1 to 5 Arrange Lin
Advanced and experimental work in bodies, glazes, and kiln constitution for all temperature ranges. Maximum credit in course, 6 hrs. Prereq., 315 or equivalent.

495. THESIS 2 to 4 Arrange Staff
Prereq., permission.

496. STUDIO THESIS 2 to 4 Arrange Staff
Prereq., Permission.

(SECOND TERM)

2. **DRAWING & DESIGN** 3 8:40-11:10 Work
Emphasis on the inseparability of drawing and design. Aesthetic principles are dealt with as they arise out of specific problems rather than as separate entities. Required of freshmen art students.

3. **ELEMENTARY DESIGN FOR TEACHERS** 2 1:40-3:20 McCarthy
Principles of design, color, lettering, and related problems. Planned for students who expect to major in elementary education.

21. **ELEMENTARY SCULPTURE** 2 8:40-10:20 Hostetler
Theory and aesthetic application of principles of art with emphasis on volumetric organization. Required of freshmen art students.

105. **PAINTING** 2 or 3 1:40-4:10 Loomis
Introduction to basic problems and techniques. Prereq., 101 or permission.

123. **JEWELRY AND ENAMELING** 2 1:40-3:20 Ramsay
Original designs executed in silver and copper. Maximum credit in course, 6 hrs. Prereq., 2 or equivalent.

160. **PRACTICAL DESIGN WORKSHOP FOR ELEMENTARY TEACHERS** 3 8:40-11:10 Eldridge
Problems in modeling, ceramics, murals, puppets, painting, and other activities related to the elementary school and philosophy of teaching. Prereq., 3.

205. **PAINTING** 2 1:40-3:20 Loomis
Basic techniques and practices in oil painting. Maximum credit in course, 6 hrs. Prereq., 10 hrs. or permission.

231. **SCULPTURE** 3 8:40-11:10 Hostetler
Modeling from life in clay and plaster. Work with terra-cotta, stone, wood, and metal. Maximum credit in course, 6 hrs. Prereq., 131 or equivalent.

301. **INDIVIDUAL PROBLEMS** 1 to 3 Arr. Staff
Senior and graduate registration for individual instruction. Prereq., permission. Maximum credit in course, 12 hrs.

305. **ADV. PAINTING** 2 or 3 1:40-4:10 Loomis
Maximum credit in course, 6 hrs. Prereq., 205 or equivalent.

331. **SCULPTURE** 3 Arr. Hostetler
Advanced work in modeling, carving, and direct metal. Theory and practice of casting processes. Maximum credit in course, 6 hrs. Prereq., 231 or equivalent.

381. **RESEARCH** 1 to 5 Arr. Staff
Individual Problems of theory and practice involving research techniques. Prereq., permission.

405. **ADV. PAINTING** 1 to 5 Arr. Loomis
Advanced work in traditional contemporary media. Solutions to the student's problems are sought in relation to his personal objectives. Maximum credit in course, 12 hrs. Prereq., permission.

431. **SCULPTURE** 1 to 5 Arr. Hostetler
Advanced work in plaster, wood, stone, direct steel, and ceramics media. Maximum credit in course, 12 hrs. Prereq., 231 and/or permission.

495. **THESIS** 2 to 4 Arr. Staff
Prereq., permission

496. **STUDIO THESIS** 2 to 4 Arr. Staff

AVIATION

(FIRST TERM AND TEN-WEEK COURSES)

100. FLIGHT EXPERIENCE

1 Arr. Staff

A flight experience course developed as a comprehensive insight into aviation for teachers, primary and secondary, who are preparing to instruct in subjects in other fields. Eight hours flight training and necessary ground instruction in basic flight maneuvers, cross country flights with landings at large and small airports, night and instrument flying. Also included is a tour of a maintenance shop, a control tower, an airline operations office and a weather bureau. Fee \$75.

110. PRIMARY GROUND INSTRUCTION (Ten-Week Course) 2 Arr. Staff

Ground instruction and practice in the following: aerial navigation, meteorology, civil air regulations, radio and aircraft maintenance. Meets all minimum requirements of the FAA to prepare for the private pilot written examination. Limited to 20.

111. PRIMARY FLIGHT INSTRUCTION (Ten-Week Course) 2 Arr. Staff

Offers a minimum of 35 hours of actual training plus 1½ hours allotted at the end of the course to accomplish the FAA private pilot flight test. In addition, there will be approximately 10 hours of individual discussion. Successful completion of this course may terminate with a private pilot's license. Limited to 12. Prereq., 110 or with 110, permission. Fee \$350.

(SECOND TERM)

100. FLIGHT EXPERIENCE

1 Arr. Staff

See description under 100, first term.

BOTANY

(FIRST TERM)

4. GENERAL BOTANY

3 12:00,1:40 MTWTh Vermillion

The structure and functions of plants, life cycles, classification, genetics, a survey of the plant kingdom, and the fundamental inter-relationships of plants and animals, including man. No credit if both Biology 1 and 2 have been completed. Prereq. 3.

123. INTRODUCTION TO THE FUNGI

3 7:00,8:40 TWThF Vermillion

A general survey of the fungi stressing both taxonomy and morphology, through field and laboratory studies. Prereq., 4 or Biol. 2.

343. BOTANICAL STUDIES

2 to 4 Arr. Vermillion

Semi-independent studies supervised by the instructor. May include interdepartmental projects. Maximum credit in any area, 4 hrs., total 8 hrs. Prereq., 12 hrs., including one listed course in that area, and permission.

481. RESEARCH PROBLEMS

1 to 4 Arr. Vermillion

Independent research. Maximum credit in course, 6 hrs. Prereq., 18 hrs. and permission.

495. THESIS

1 to 6 Arr. Vermillion

Prereq., permission.

(SECOND TERM)

106. LOCAL FLORA

3 8:40,10:20 MTWTh Gambill

Collection, identification and classification of flowering plants with emphasis on the native flora, with both laboratory and field studies. Prereq. 4 or Biol. 2.

343. BOTANICAL STUDIES

2 to 4 Arr. Gambill

See description under 343, first term.

481. RESEARCH PROBLEMS

1 to 4 Arr. Gambill

See description under 481, first term.

495. THESIS

1 to 6 Arr. Gambill

See description under 495, first term.

BUSINESS LAW

(FIRST TERM)

255. BUSINESS LAW 3 7:00 Kloss
The principles of law involved in contracts, agency, sales, negotiable instruments, partnerships, property, bailments, and corporations. Prereq., junior or senior rank.

342. LAW OF REAL ESTATE 2 10:20 Kloss
Deeds, mortgages, leases, and other interests in real property, and the relationships between landlord and tenant. Prereq., 256 or permission.

381. RESEARCH IN LAW 1 to 3 Arr. Staff
Prereq., 18 hrs. business administration including 256 and permission.

(SECOND TERM)

256. BUSINESS LAW 3 8:40 Kloss
A continuation of Business Law 255. See description under 255, first term, Prereq., 255.

381. RESEARCH IN LAW 1 to 3 Arr. Staff
Prereq., 18 hrs. business administration including 256 and permission.

CHEMISTRY

(FIRST TERM AND TEN-WEEK COURSES)

3. GENERAL CHEMISTRY 4 8:40 Staff
LAB 1:40-5:30 TTh
A beginning course designed to provide a general survey of the subject. Prereq., h.s. alg.

113. ORGANIC CHEMISTRY (ten-week course) 4 8:40 MWF Staff
A course in the fundamentals of organic chemistry for students not majoring in chemistry. Prereq., 4, 99.

117. ORGANIC CHEMISTRY LABORATORY (Ten-Week Course) 2 1:40-5:30 TTh Staff
A laboratory course in organic preparations and reactions to accompany 113. Prereq., 113 or 202, or with 113.

351. SPECIAL PROBLEMS IN CHEMISTRY 2 or 3 Arr. Staff
Minor research with laboratory and library work. Prereq., 24 hrs. with a B average.

479. ADVANCED TOPICS 3 Arr. Staff

481. RESEARCH 1 to 4 Arr. Staff
Prereq., 36 hrs., permission.

495. THESIS OR DISSERTATION As recommended by Dept. Arr. Staff
Prereq., permission.

(SECOND TERM)

4. GENERAL CHEMISTRY 2 8:40 Staff
A beginning course designed to provide a general survey of the subject. Prereq., 3.

99. QUALITATIVE ANALYSIS 2 1:40-5:30 TTh Staff
The separation and identification of cations and anions by methods illustrating the principles of chemical equilibrium and solubility relations. Prereq., 3. With 4.

351. SPECIAL PROBLEMS IN CHEMISTRY 2 or 3 Arr. Staff
Minor research with laboratory and library work. Prereq., 24 hrs. with a B average.

479. ADVANCED TOPICS 3 Arr. Staff

181. RESEARCH	1 to 4	Arr.	Staff
Prereq., 36 hrs., permission			
195. THESIS OR DISSERTATION	As recommended by Dept.	Arr.	Staff
Prereq., permission.			

DRAMATIC ART

(FIRST TERM)

147. THEATRE LABORATORY	1 to 3	Arr.	Winters
Costuming, make-up, and technical work connected with the productions of the Ohio Valley Summer Theatre. Maximum credit in course, 6 hrs. Prereq.			
321. HISTORY OF DRAMATIC CRITICISM	3 8:40	Walker	
The principles of the dramatic criticism from Aristotle to the present. Prereq., 12 hrs. or equivalent advanced courses and permission.			
347. WORKSHOP IN SUMMER THEATRE	2 to 6	Arr.	Lane, Winters
Practical experience in all phases of theatre through participation in the productions of the Ohio Valley Summer Theatre or the Monomoy Theatre. Not open to graduate students. Maximum credit in course, 16 hrs. Prereq., permission.			
381. RESEARCH	2 to 4	Arr.	Staff
Not open to graduate students. Prereq., permission.			
447. ADVANCED PROBLEMS IN DRAMATIC PRODUCTION	3 to 6	Arr.	Lane, Conover
Structure, management, finance, and direction of theatre programs, with special reference to the summer theatre which serves as a laboratory for observation and participation. Maximum credit in course, 6 hrs. Prereq., permission.			
495. THESIS	1 to 6	Arr.	Staff
Prereq., permission.			

(SECOND TERM)

See descriptions under respective numbers, first term.

381. RESEARCH	2 to 4	Arr.	Walker
481. SEMINAR—THE PLAYS OF EUGENE O'NEILL	3 8:40	Walker	
495. THESIS	1 to 6	Arr.	Walker

ECONOMICS

(FIRST TERM)

101. PRINCIPLES OF ECONOMICS	3 7:00	Hall
The basic theory and economic analysis of prices, markets, production, wages, interest, rent, and profits. This half of the course is designed to serve as a terminal course for students desiring one semester of work in economics. Prereq., not open to freshmen except by permission nor to those who have had 11 and 12.		
110. MONEY AND BANKING	3 8:40	McClary
(Same as Finance 110.) Money and credit with emphasis on credit expansion and contraction by the Federal Reserve System and commercial banks. Study of monetary policies of the Federal Reserve and Treasury. Commercial bank lending and investing. Not open to students enrolled in the College of Business Administration. Prereq., Ec. 12 or 102 or permission.		
315. PUBLIC FINANCE	3 10:20	Hall
Analysis of spending and taxing functions of federal, state, and local governments. The growing importance of fiscal policy in determining level of employment. The economic effects of the various taxes of federal, state, and local governments. Prereq., 12 or 102.		

330. **HISTORY OF ECONOMIC THOUGHT** 3 8:40 Picard
 The historical evolution of the major economic doctrines; mercantilists and camera-
 lists, physiocrats, Adam Smith and the classical school, the historical school, the Aus-
 trian school, Alfred Marshall and the neoclassicists. Prereq., 12 or 102.

332. **MODERN ECONOMIC THOUGHT** 3 12:00 Picard
 An analysis of the contributions to economics of the most significant writers since Al-
 fred Marshall. Prereq., 12 or 102.

335. **LABOR ECONOMICS** 3 7:00 Levinson
 Survey of the economic forces generating modern labor problems. Among the topics con-
 sidered are: history of the labor movement, labor in politics, labor-management rel-
 ations, wages, and full employment. Prereq., 12 or 102.

381. **RESEARCH IN ECONOMICS** 1 to 3 Arr. Staff
 Prereq., 15 hrs. and permission.

495. **THESIS** 1 to 6 Arr. Staff
 Prereq., permission.

(SECOND TERM)

102. **PRINCIPLES OF ECONOMICS** 3 7:00 Bogar
 A continuation of Economics 101. This half of the course is concerned with the economic
 problems and economic institutions of society. Among the problems analyzed are labor
 unions, money and banking, taxation, public utilities, international trade, business
 cycles, and agriculture. Prereq., 11 or 101. Not open to freshmen except by permission
 nor to those who have had 12.

309. **PUBLIC UTILITIES** 3 12:00 Levinson
 The economic basis of the public utility concept and its relation to business organization.
 The nature, scope, development, legal organization, and regulation of public utilities.
 Prereq., 12 or 102.

320. **ORGANIZATION AND STRUCTURE OF INDUSTRY** 3 8:40 Gray
 This course emphasizes the economic characteristics of the principal manufacturing
 and processing enterprises and considers their historic development, financial organiza-
 tion, and legal aspects. Prereq., 12 or 102.

329. **COMPARATIVE ECONOMIC SYSTEMS** 3 10:20 Crewson
 An analysis of the institutional framework of the following systems: modified, capital-
 ism, socialism, communism, and fascism. Special emphasis is given to the prevailing
 economic institutions in the United States, Great Britain, Russia, and Spain. Prereq.,
 12 or 102.

375. **ECONOMIC DEVELOPMENT** 3 7:00 Crewson
 An analysis of the nature of, obstacles to, and future possibilities for the economic
 growth of nations. Special emphasis is given to the problems of the underdeveloped
 countries. Studies of selected countries are utilized. Prereq., 12 or 102.

381. **RESEARCH IN ECONOMICS** 1 to 3 Arr. Staff
 Prereq., 15 hrs. and permission.

495. **THESIS** 1 to 6 Arr. Staff
 Prereq., permission.

EDUCATION

(FIRST TERM)

ELEMENTARY EDUCATION

103. **STUDIES OF CHILDREN** 3 10:20 or 12:00 Quick
 Bases for a developmental theory of education; growth sequences through adolescence;
 principles of development, behavior, and learning; techniques of child-study; systematic
 observation in the University Elementary School; implications for educational practice.
 Prereq., 277.

165. TEACHING OF ARITHMETIC IN THE ELEMENTARY SCHOOL 3 7:00
 Stuart, Pigge
 Criteria for determining the arithmetic program; a grade-by-grade development of topics and of methods of presentation. Prereq., Math 8, Ed. 103.

200. THE DEVELOPMENT OF KINDERGARTEN EDUCATION 2 7:00-8:00 Starks
 The history, development, philosophy and current trends in kindergarten education. A study is made of the experiences appropriate to the age level based on the developmental approach to learning. Prereq., 103, kindergarten-primary majors or permission. Not open to freshmen.

201. MATERIALS AND METHODS IN KINDERGARTEN-PRIMARY EDUCATION 2 1:40-2:40 J. Wilson
 A study of work and play activities of early childhood, and the development, use and care of materials best suited to this age group. Prereq., 200, 103, and kindergarten majors or permission.

211. THE CHILD AND THE CURRICULUM (2 sections) 3 8:40; 12:00
 Emphasis is placed upon the service role of the curriculum to children and society. Prereq., concurrent with or following 272.

222. DIAGNOSTIC AND REMEDIAL INSTRUCTION IN ELEMENTARY SUBJECTS 2 10:20-11:20 MTWThF DeLand
 A laboratory course in methods of diagnosis and remedial treatment in fundamental school subjects for problem cases. Students are given opportunity to observe and work with exceptional children. Prereq., 103.

223. CURRICULUM FOR SPECIAL CLASSES 3 7:00 DeLand
 Units of work materials, and subject matter suited to the mental ability and level of exceptional children. Prereq., 103.

224. ED. OF SLOW LEARN. CHILD. 2 1:40-2:40 MTWThF, Room 214
 McCain Permission

226. METHODS AND MATERIALS FOR TEACHING SLOW-LEARNING CHILDREN LANGUAGE ARTS 4 10:20 MTWThF, 8:40TTh Staff
 Practical measures for approaching the language arts and social studies for slow-learning children are stressed. Emphasis is on the functional use of all communications and citizenship skills. Appropriate Units, adaptation of materials, selection of materials, and the preparation of materials are treated.

303. ADVANCED STUDIES OF CHILDREN 3 8:40 Staff
 An intensive study of certain basic research in child development and its implications for education. Prereq., 15 hrs. education or psychology, or permission.

310. READING LABORATORY PRACTICUM (1 to 6) 8:40 Cooper
 Application of developmental approach to problem cases in reading instruction—participation in diagnostic examination, parent and teacher conferences, individual procedures in tutoring, staffing of cases, and preparation of reports; weekly group discussion period (W 3, 4), laboratory sessions arranged. Prereq., perm.

417d. RESEARCH AND CURRICULUM IN ELEMENTARY EDUCATION—READING 3 12:00 Cooper
 (See description above.)

GENERAL

(FIRST TERM)

358. **WORKSHOP IN ECONOMIC EDUCATION** (June 15 to July 3) 3 Arr. Staff
A study of basic economic concepts and practical economic problems with the view of their integration into the school curriculum. Prereq., permission.

359. **GENERAL CURRICULUM** 3 1:40 Lynn
A critical study of the public school curriculum including a review of curriculum theories, practices, and trends in grades kindergarten through twelve. Special emphasis is given to problems in curriculum development and organization. Prereq., 211 or 229 and permission.

388. **CONSERVATION EDUCATION WORKSHOP** 6
A field course held at the Outdoor Education Center, Yellow Springs, Ohio, June 15-July 18, designed primarily for teachers in service. Relationships between conservation and the natural sciences primarily for the elementary and junior high school teacher. Approval of adviser. (Summer only.)

416. **READINGS AND RESEARCH IN HUMAN DEVELOPMENT** 3 10:20 Stanger
Interpretation of the scientific literature on human development as related to classroom experience in kindergarten through the twelfth grade. Independent projects delineating the developmental bases of understanding and solving selected educational problems. Prereq., 303 or permission.

428. **ADVANCED PRINCIPLES OF TEACHING** 3 8:40 C. Roberts
A critical appraisal of teaching in the light of available research of learning and teaching. Prereq., permission.

478. **SEMINAR IN EDUCATION** 2 1:40-2:40 Krantz
Advanced studies of special problems in elementary education, guidance, secondary education, and school administration. Prereq., permission.

GUIDANCE AND COUNSELING

(FIRST TERM)

360. **PRINCIPLES OF GUIDANCE** 3 7:00 Staff
The need for guidance in the schools, the nature of guidance, and the major guidance services. Prereq., 6 hrs. incl. 130, and Psych 71.

361. **GUIDANCE AND COUNSELING PRACTICE** 2 12:00 Arr. Staff
Directed practice in counseling and other services. Prereq., 360 or 367, permission.

363. **INDIVIDUAL ANALYSIS IN GUIDANCE** 3 8:40 Staff
Use of cumulative records, case study procedures, sociometric tests, group processes and the like in guidance. Synthesis of information about the client. Prereq., a course in measurement or equiv., 360 or 367.

367. **GUIDANCE IN ELEMENTARY SCHOOLS** 3 10:20 Raines
The need for guidance in the elementary school. The nature of guidance and of the guidance services in elementary education. Prereq., 6 hrs. and Psych. 71.

464. **ADMINISTRATIVE RELATIONS IN GUIDANCE** 3 10:20 Staff
The legal bases for guidance work, community resources for guidance, relations of school to home, social service agencies, and the like. Prereq., 360 or 367.

RESEARCH AND SCIENTIFIC TECHNIQUES

(FIRST TERM)

381. **EDUCATIONAL STATISTICS** 3 10:20 Sligo
The tabulation and graphical representation of frequency tables, measures of central tendency, percentiles and percentile curves, measures of variability, probability and the normal curve, and correlation. Prereq., 6 hrs. ed. and Psych. 71.

385. **EDUCATIONAL MEASUREMENTS** 3 1:40 Sligo
The improvement of the essay examination; criteria for evaluating tests; teacher-made objective tests; standardized tests; elementary statistical procedures. Prereq., 6 hrs. ed. and Psych. 71.

484. **RESEARCH IN EDUCATION** I to 4 Arr. Staff
Prereq., 9 hrs. Psych. 71 and permission.

488. **INTRODUCTION TO GRADUATE STUDY** (2 sections) 3 7:00; 10:20 Stanger, Staff
Methods of research in education and the selection, planning, and evaluation of research problems. The history and purposes of graduate education. Required of all graduate students in education. Prereq., permission.

495. **THESIS OR DISSERTATION** As recommended by dept. Arr. Staff
Prereq., permission.

SECONDARY EDUCATION

(FIRST TERM)

130. **SECONDARY EDUCATION** 3 1:40 Staff
A historical, comparative, and contemporary study of secondary education. Emphasis is placed on the interrelations of school and society; administrative considerations such as pupil personnel, and the control, support, and organization of schools; and the objectives of education, programs of study, and student activities. Prereq., Psych. 71 and sophomore standing.

229. **CURRICULUM AND TEACHING PRACTICES** 4 7:00 TTh, 8:40 MTWThF Rodgers
Topics which receive major consideration are curricular content and organization, principles of teaching-learning, techniques of classroom work, evaluation, and the respective roles of the teacher and the pupil. Prereq., 130.

432. **THE HIGH SCHOOL CURRICULUM** 3 10:20 C. Roberts
The high school program of studies, contributions of various subjects, theories of curriculum construction, curriculum research, and desirable steps in the reorganization of the high school curriculum. Prereq., 359.

SCHOOL ADMINISTRATION & SUPERVISION

(FIRST TERM)

410. **ADMINISTRATION OF THE ELEMENTARY SCHOOL** 3 8:40 Shuster
The responsibilities of teachers and principals in administration, curriculum construction, supervision, plant management, and public relations. Prereq., 6 hrs., including 440.

430. **HIGH SCHOOL ADMINISTRATION** 3 8:40 Lynn
The responsibilities of teachers and principals in administration, curriculum construction, supervision, plant management, and public relations. Prereq., 6 hrs., including 440.

440. **GENERAL SCHOOL ADMINISTRATION** 3 8:40 Ray
An introduction to educational administration.

442. **SCHOOL FINANCE** 3 10:20 Ray
Local, state and federal; business management in such areas as the school budget, financial reports, school purchasing, transportation, and insurance. Prereq., 6 hrs., including 440.

445. **SCHOOL BUILDING PLANNING** 3 7:00 Roaden
The planning of new school buildings and sites, plant evaluation, rehabilitation, maintenance problems and school equipment. Prereq., 440.

446. **SUPERVISION OF INSTRUCTION** 3 12:00 Staff
The principles underlying democratic supervision and techniques which promote the growth of teachers in service. Laboratory experiences in analysis of teaching situations. Prereq., permission.

448. **ADVANCED THEORY AND PRACTICES OF SCHOOL ADMINISTRATION** 3 8:40 Hicks
Prereq., 9 hrs. of school administration courses, and permission.

OBSERVATION & STUDENT TEACHING

(FIRST TERM)

274. **STUDENT TEACHING FOR ADVANCED STUDENTS** 3 8:30-11:30 Arr. Staff
A seminar with observation, participation, and limited opportunities for teaching; open only to teachers with at least three years of teaching experience. Prereq., permission.

274. **STUDENT TEACHING FOR ADVANCED STUDENTS** 3 8:30-11:30 Arr. Staff
See description under 274 above.

ELEMENTARY EDUCATION

(SECOND TERM)

102. **LITERATURE FOR CHILDREN** 3 10:20 or 12:00 Quick
Experiences with children, developing plans for organizing the literature program in the elementary school, and criteria for evaluating books written for children. Prereq. 103.

163. **TEACHING OF READING AND LANGUAGE** 3 8:40 or 10:20 Beckett
A practical course covering the language arts program in the elementary school. Methods and materials valuable in promoting child development in reading and the expressional phases of language are given major emphasis. Prereq., 103.

169. **TEACHING SOCIAL STUDIES AND SCIENCES IN THE ELEMENTARY SCHOOL**
3 7:00 MTWThF; 8:40 TTh Mills
3 7:00 MTWThF; 8:40 TTh Felsinger
Materials and methods used in teaching the content subjects in the elementary schools, with special emphasis upon unit teaching, social studies skills, and practical experiences in the teaching of science. Prereq., 103, 9 hrs. Soc. Science including Geog. 150; 9 hrs. science.

211. **THE CHILD AND THE CURRICULUM** 3 10:20 Staff
See description under 211, first term. Prereq., concurrent with or following Ed. 272.

227. **TEACH. SLOW LEARN. CHILD** 2 hrs. 10:20-11:20 MTWThF Staff Permission

228. **OCCUPATIONAL ORIENTATION AND JOB TRAINING FOR SLOW-LEARNING CHILDREN** 2 1:40-2:40 Staff
An investigation of the responsibilities of special class teachers for developing employable skills in slow-learning children. Personal-social relationship, work habits and attitudes, appropriate job information, exploratory jobs within school, and work experiences in the community are studied. Work experience under school supervision as well as the legal aspects are emphasized.

305. **MOD. ELEM. MATH CURRIC.** 3 hrs. 10:20 MTWThF Room 114
D'Augustine Permission

321. **ORGANIZATION OF SPECIAL EDUCATION FOR EXCEPTIONAL CHILDREN** 3 8:40 DeLand
 Educational needs of those who differ markedly from normality—the slow-learning, the retarded, and the gifted; the physically handicapped; the emotionally unstable and socially maladjusted; their characteristics and incidences. Adjustments within regular class-rooms, special classes, and special schools; individual child study, classification, and follow-up.

411. **PROBLEMS IN THE ELEMENTARY CURRICULUM** 3 8:40 Staff
 A critical study of the basic issues and theories underlying curriculum development
 Prereq., 211 or 359.

417a. **RESEARCH AND CURRICULUM IN ELEMENTARY EDUCATION—SOCIAL STUDIES** 3 10:20 Felsinger
 Critical evaluation of the literature and recent research on objectives, content, and methodology. History of instruction, current problems and issues, recent trends and emphasis in teaching practices. Impact of dominant theories of learning and philosophies of education. Research design and methodology in scientific investigations.
 Prereq., 488, permission.

417b. **RES. & CURRIC. ARITH.** 3 7:00 MTWThF Room 114 D'Augustine 488, perm.

417c. **RESEARCH AND CURRICULUM IN ELEMENTARY EDUCATION—LANGUAGE ARTS** 3 8:40 Staff
 (See description under 417, first term.)

417e. **RESEARCH AND CURRICULUM IN ELEMENTARY EDUCATION—SCIENCE** 3 12:00 Mills
 (See description under 417 above)

GENERAL

(SECOND TERM)

241. **AUDIO-VISUAL TEACHING AIDS** 2 8:40-9:40 or 10-20-11:30 Weber
 Sources, selection, and use of audio-visual aids in instruction; their integration in the school program; selection, operation, and maintenance of equipment.

359. **GENERAL CURRICULUM** 3 7:00 Lynn
 A critical study of the public school curriculum including a review of curriculum theories, practices, and trends in grades kindergarten through twelve. Special emphasis is given to problems in curriculum development and organization. Prereq., 211 or 229 and permission.

452a. **ADMINISTRATION OF PUPIL TRANSPORTATION WORK** 1 Arr. Krantz
 Topics covered include selection, training, and supervision of bus drivers; preparation of specifications for purchase of buses; supervision of the servicing and maintenance of buses; route scheduling, pupil control, public relations, insurance problems of transportation, school bus safety.

478. **SEMINAR IN EDUCATION** 2 1:40-2:40 Krantz
 See description under 478, first term.

GUIDANCE AND COUNSELING

(SECOND TERM)

360. **PRINCIPLES OF GUIDANCE** 3 8:40 Staff
 See description under 360, first term.

361. **GUIDANCE AND COUNSELING PRACTICE** 2 12:00 & Arr. Hill
 See description under 361 first term.

362. **INFORMATION SERVICE IN GUIDANCE** 3 7:00 Hill
 The collection, evaluation, and use of occupational, educational, and related information in the guidance program. Prereq., 360 or 367.

417b. **RES. & CURRIC. ARITH.** 3 hrs. 7:00 MTWThF Room 114 D'Augustine 488, Permission

364. **COUNSELING IN SCHOOLS** 3 1:40 Staff
 Basic principles of counseling in an educational context. Development of sound procedural bases for counseling and educationally-oriented counseling theory. The ethics of counseling. Prereq., 360 or 367, permission.

465. **GROUP GUIDANCE: MATERIALS AND PROCEDURES** 3 10:20 Raines
 The theoretical bases for group work in guidance. Materials and teaching procedures for group work. Laboratory work in Guidance Laboratory and Materials Center. Prereq., 362.

HISTORY & PHILOSOPHY

(SECOND TERM)

351. **THE SCHOOL IN THE SOCIAL ORDER** 3 7:00 Shoemaker
 Education in the United States from the colonial period to the present. The social, political, economic, religious, and philosophical foundations which have conditioned the evolution of the public schools. Prereq., 6 hrs., Psych. 71.

353. **THE EVOLUTION OF EDUCATIONAL THOUGHT** 3 10:20 Shoemaker
 Deals solely with the educational writings of such theorists as Plato, Aristotle, Quin-tilian, Montaigne, Locke, Comenius, Rabelais, Rousseau, Pestalozzi, Froebel, Herbart, and Dewey. Prereq., 6 hrs., Psych. 71.

RESEARCH AND SCIENTIFIC TECHNIQUES

484. **RESEARCH IN EDUCATION** 1 to 4 Arr. Staff
 Prereq., 9 hrs., Psych. 71, and permission.

488. **INTRODUCTION TO GRADUATE STUDY** 3 8:40 W. Cooper
 (See description under 488, first term.)

495. **THESIS OR DISSERTATION** As recommended by dept. Arr. Staff
 Prereq., permission.

SECONDARY

(SECOND TERM)

130. **SECONDARY EDUCATION** 3 12:00 Staff
 See description under 130, first term.

229. **CURRICULUM AND TEACHING PRACTICES** 4 8:40 MTWThF & 7:00 TTh Staff
 See description under 229, first term.

333. **EXTRA-CLASS ACTIVITIES IN THE SECONDARY SCHOOL** 3 8:40 Lynn
 The scope and organization of extra-class activities in the high school and their relationship to the curriculum. Prereq., permission.

374. **THE IMPROVEMENT OF READING IN SECONDARY SCHOOLS** 2 10:20 W. Cooper
 Prereq., 9 hrs., Psych. 71.

SCHOOL ADMINISTRATION & SUPERVISION

(SECOND TERM)

440. **GENERAL SCHOOL ADMINISTRATION** 3 10:20 Ray
 See description under 440, first term.

443. **SCHOOL LAW** 3 8:40 Ray
 The constitutional basis for education, schools and their legal setting, school legislation and court decisions, with special reference to Ohio school law. Prereq., 440.

447. PERSONNEL PROBLEMS IN THE PUBLIC SCHOOLS 3 10:20 Krantz
Philosophy of personnel administration, development of policies covering selection, classification, certification, tenure, contracts, in-service training programs, and placement of teaching and non-teaching personnel in the schools. Prereq., 12 hours.

455. PROBS. IN SCH. PLANT PLAN. 3 hrs. 7:00 MTWThF Room 116
Roaden Permission

ENGINEERING
CHEMICAL ENGINEERING
(FIRST TERM & TEN-WEEK COURSES)

310. UNIT OPERATIONS 3 7:00 Staff
A study of the fundamental principles of fluid flow, heat transfer and other basic unit operations. Prereq., 201, Chem. 313, or permission.

481. RESEARCH 1 to 4 Arr. Staff

(SECOND TERM)

311. UNIT OPERATIONS 4 7:00 Staff
Lab 1:40-4:40 M,W
Continuation of 310. Laboratory emphasizes analog and digital computer applications. Prereq., 310.

CIVIL ENGINEERING
(FIRST TERM)

120. APPLIED MECHANICS 3 12:00 Staff
Laws of equilibrium of forces; friction; centroids and moment of inertia. Prereq., Math. 101 or with 101.

(SECOND TERM)

121. APPLIED MECHANICS 3 12:00 Staff
Motion of a particle and of rigid bodies. Work and energy; impulse and momentum. Prereq., 120, Math. 102 or with 102.

222. STRENGTH OF MATERIALS 3 1:40 Staff
Elementary stresses and strains, torsion, flexure including elastic curve equations, columns, combined stresses due to impact. Prereq., 120, Math. 102 or with 102.

223. MATERIALS TESTING LABORATORY 1 3:20 MWF Staff
A series of experiments on the tensile, compressive, and shearing strengths of the principal engineering materials. 2 hrs. lab. Prereq., 222 or with 222.

ELECTRICAL ENGINEERING

(FIRST TERM AND TEN-WEEK COURSES)

104. BASIC ELECTRICAL ENGINEERING (Ten-Week course) 5 7:00-8:00 MWThF
Computer Sec. 3 hours, Arr. & Lab. 8:40 or 3:00 T Hoffee
A.C. circuits—topology, network theorems, nodal equations, polyphase circuits, complex frequency plane, pole zero analysis, coupled circuits, resonance, locus diagrams, transients, non-sinusoidal waves and inputs, introduction to the Laplace transformation. Prereq., 102 or 103.

202. ELECTRICAL MACHINERY 3 7:00-8:00 Lab. 6 hrs. Arr. Hoffee
Direct and alternating current machinery. Not open to Electrical Engineering majors. Prereq., 201.

208. ENGINEERING ELECTRONICS 4 7:00 Lab. 6 hrs. Arr. G. Smith
Amplification and wave shaping. Energy storage elements. Non-linear elements. Linear approximations to non-linear systems. Equivalent circuits. Feed-back, stability, waveform generation, oscillations. graphical methods of analysis of non-linear circuits. Prereq., 207.

390. **SPECIAL INVESTIGATIONS** 1 to 3 Staff
 Individual work or work in small groups, under guidance, in research or advanced study in a particular field of engineering. Maximum credit in course, 6 hrs. Prereq., approval by chairman.

481. **RESEARCH** 1 to 4 Arr. Staff
 Prereq., 15 hrs., permission.

495. **THESIS** 1 to 6 Arr. Staff
 Prereq., permission.

(SECOND TERM)

390. **SPECIAL INVESTIGATIONS** 1 to 3 Staff
 Individual work or work in small groups, under guidance, in research or advanced study in a particular field of engineering. Maximum credit in course, 6 hrs. Prereq., approval by chairman.

481. **RESEARCH** 1 to 4 Arr. Staff
 Prereq., 15 hrs., permission.

495. **THESIS** 1 to 6 Arr. Staff
 Prereq., permission.

ENGINEERING GRAPHICS

(FIRST TERM)

1. **ENGINEERING DRAWING** 2 10:20 Lab. 1:40-4:00 MW Dickie
 Freehand lettering, use of instruments, geometric constructions, freehand drafting, orthographic projection, auxiliary and sectional views, dimensioning.

(SECOND TERM)

3. **THE SLIDE RULE** 1 1:40-3:00 TTh Diliberto
 Prereq., Math. 15.

21. **DESCRIPTIVE GEOMETRY** 2 10:20 Lab. 1:40-4:00 W Diliberto
 Problems relating to points, lines, planes, solids and their projections, space visualization, curved surfaces, intersection of planes and solids, practical applications. Daily exercise sheets. Prereq., 1.

ENGLISH

(FIRST TERM AND TEN-WEEK COURSES)

1. **REMEDIAL** (2 sections) (Ten-week course) 3 12:00-1:15 MWF Staff
 The fundamentals of composition. Minimum grade of D required to advance to 3. Credits and points not counted toward a degree. (For Special Warning Students.)

3. **COMPOSITION** (2 sections) (Ten-week course) 3 7:00-8:15 MWF Staff
 Writing principles and practice. In English 3, a student analyzes expository prose and the English language; in English 4, literature. Qualified students are allowed to substitute six hours of 100 level courses for English Composition. Transfer students who have not completed six hours of composition will register for English 3. (For Special Warning Students.)

3. **COMPOSITION** (3 sections) 3 7:00 Staff

4. **COMPOSITION** (3 sections) 3 7:00; 12:00 Staff
 Prereq., 3.

101. **ENG LIT THROUGH MILTON** (1 section) 3 10:20 Staff
 Middle ages through the seventeenth century. Emphasis on Chaucer, Shakespeare, and Milton. Prereq., 4.

102. **ENG LIT SINCE MILTON** (1 section) 3 8:40 Staff
Eighteenth century to the present. Prereq., 4.

111. **CHIEF AMERICAN WRITERS** (1 section) 3 12:00 Staff
Emerson, Thoreau, Melville, Hawthorne, Poe, Whitman, and others. Prereq., 4.

112. **CHIEF AMERICAN WRITERS** (3 sections) 3 8:40; 10:20; 1:40 Staff
Twain, James, Crane, Dickinson, Eliot, Faulkner, Frost, Hemingway, and others. Prereq., 4.

224. **SHAKESPEARE** 3 8:40 Nusbaum
The principal tragedies. Prereq., 3 hrs. beyond Eng. 4.

228. **INTERPRETATION OF POETRY** 3 1:40 Swardson
Intensive reading of selected poems from all periods of English and American literature. Prereq., 3 hrs. beyond Eng. 4.

264. **THE TEACHING OF HIGH SCHOOL ENGLISH** 3 1:40 Brown
The content and methods of the presentation of grammar, composition and literature. Prereq., 4, junior standing.

285. **BIBLE AS LITERATURE** 3 10:20 Whan
Selected prose and poetry of the Old and New Testaments. Prereq., 3 hrs. beyond 4.

293. **ADVANCED COMPOSITION** (2 sections) 3 7:00; 1:40 C. Baird, Marks
Study of past and present forms of the essay; practice in a variety of non-fiction prose techniques; stress on the development of a mature prose style. Prereq., 4, Jr.

312. **CHAUCER** 3 8:40 Culbert
Early works: *The Canterbury Tales*; *Troilus and Criseyde*. Prereq., 12 hrs. beyond 4; 311 recommended.

331. **SEVENTEENTH-CENTURY LITERATURE** 3 10:20 Swardson
Donne, Bacon, Herrick, Browne, and others. Prereq., 12 hrs. beyond 4.

360. **AMERICAN LITERATURE (1865-1900)** 3 1:40 Marks
The rise of realism and naturalism. Prereq., 12 hrs. beyond 4.

450. **PROSEMINAR: THEORY AND PRACTICE OF LITERATURE** (10-week course) 3 Arr. Whan
Prereq., graduate standing.

457. **AMERICAN MASTERS I** 3 1:40 Wells
Studies in Poe, Melville, and others. Prereq., graduate standing.

470. **SEMINAR** (10-week course) 3 Arr. Purdum
Prereq., graduate standing.

495. **THESIS OR DISSERTATION** As Recommended by Department Staff
Prereq., graduate standing.

(SECOND TERM)

3. **COMPOSITION** (2 sections) 3 7:00 Staff
See description under 3, first term.

4. **COMPOSITION** (4 sections) 3 7:00; 12:00 Staff
A continuation of 3. Prereq., 3.

102. **ENG LIT SINCE MILTON** 3 8:40 Staff
See description under 102, first term.

111. **CHIEF AMERICAN WRITERS** 3 10:20 Staff
See description under 111, first term.

112. **CHIEF AMERICAN WRITERS** (2 sections) 3 12:00; 1:40 Staff
See description under 112, first term.

225. INTERPRETATION OF DRAMA Analysis of dramatic forms. Prereq., 3 hrs beyond Eng. 4.	3	8:40	King
227. INTERPRETATION OF FICTION Study of the forms and techniques of the art of fiction. Prereq., 3 hrs. beyond 4.	3	12:00	J. A. Jones
293. ADVANCED COMPOSITION See description under 293, first term.	3	10:20	Johansson
321. SIXTEENTH-CENTURY LITERATURE The English Renaissance and Humanism. Prereq., 12 hrs. beyond 4.	3	10:20	Fieler
351. PROSE AND POETRY OF THE ROMANTIC PERIOD The philosophical background; Wordsworth, Coleridge, Byron, Shelley, Keats. Prereq., 12 hrs. beyond 4.	3	8:40	J. Thompson
361. TWENTIETH-CENTURY FICTION Joyce, Faulkner, Lawrence, Hemingway, and others. Prereq., 12 hrs. beyond 4.	3	1:40	King

FINANCE

(FIRST TERM)

110. MONEY AND BANKING (Same as Economics 110.) Money and credit with emphasis on credit expansion and contraction by the Federal Reserve System and commercial banks. Study of monetary policies of the Federal Reserve and Treasury. Commercial bank lending and investing. Prereq., Ec. 12 or 102 or permission.	3	8:40	McClary
381. RESEARCH IN FINANCE Prereq., 9 hrs., Ec. 12 or 102, permission.	1 to 3	Arr.	Staff
491. SEMINAR IN FINANCE Prereq., 402. (Note: This is a new course to be submitted for approval. Description, etc. will be available later.)	3	10:20	Blythe
495. THESIS Prereq., permission.	1 to 6	Arr.	Staff

(SECOND TERM)

121. CORPORATION FINANCE Financial analysis; planning the need for short-term and long-term funds; capital budgeting; short-term and intermediate-term financing from commercial banks, trade creditors, and other sources; stocks and bonds as sources of long-term funds; leasing, dividend policies. Prereq., 110 (formerly 101) and Acct. 76.	3	8:40	McClary
381. RESEARCH IN FINANCE Prereq., 9 hrs., Ec. 12 or 102, permission.	1 to 3	Arr.	Staff
495. THESIS Prereq., permission.	1 to 6	Arr.	Staff

FINE ARTS

(FIRST TERM ONLY)

381. RESEARCH Individual problems of theory and practice involving research techniques.	3	10:20	Trisolini
---	---	-------	-----------

GENERAL STUDIES

(FIRST TERM)

(SECOND TERM)

2. **Biology—THE LIVING WORLD** 3 12:00, 1:40 MTWTh Harderode
 A survey of the principal plant and animal groups, emphasizing comparative structure, life histories, and classification. Basic principles of heredity, evolution, and ecology are introduced. No credit allowed for students who have already completed Botany 3-4 or Zool. 3-4. Prereq. 1. Not open to juniors or seniors.

4. **Physical Science—THE PHYSICAL WORLD** 3 12:00-1:00 MTWTh W. Pierce
 Lab 1:40-3:30 TWTh
 A general physical science course designed for non-science majors. Includes chemistry and physics. Does not fulfill physics or chemistry requirements for science majors. Not open to juniors and seniors.

GEOGRAPHY AND GEOLOGY

(FIRST TERM)

GEOGRAPHY

232. CONSERVATION OF NATURAL RESOURCES 3 8:40 Staff
Problems in the conservation of soils, water, minerals, forests, and wild life as related to land use. The interrelations of these various factors and their educational significance are emphasized. Field trips.

GEOLOGY

102s. **COMMON MINERALS, ROCKS, AND FOSSILS** 3 10:20 Staff
Introduction to study and identification of common minerals and rocks and common groups of fossils, including assembly of a basic collection useful to teachers. Not open to students who have had 3, 4, 101 or 103. Field trips.

383. GEOLOGICAL STUDIES

1 to 4 Arr. Staff

Supervised studies in fundamentals of geologic research. Maximum credit in any one area, 8 hrs. Prereq., 12 hrs. and permission.

- a. Glacial Geology and Physiography
- b. Ground Water
- c. Mineralogy, Petrology, or Economic Geology
- d. Paleontology
- e. Sedimentation and Stratigraphy
- f. Structural Geology
- g. Tectonics

493. RESEARCH IN GEOLOGY

1 to 4 Arr. Staff

Maximum credit in course, 6 hrs. Prereq., 18 hrs., permission.

CONSERVATION EDUCATION WORKSHOP at the Outdoor Education Center, Yellow Springs, Ohio, June 15-July 17. For details contact Department of Geography and Geology, Ohio University, Athens, Ohio. Those desiring credit register for Ed. 388, 6 hrs.

GEOGRAPHY

(SECOND TERM)

150. GEOGRAPHY AND ENVIRONMENT

3 8:40 Korsok

Survey of man's response and adjustment to the varied natural environment throughout the world, employing the concepts of human geography. Not open to students who have had Geog. 3.

202. GEOGRAPHY OF THE UNITED STATES AND CANADA

3 10:20 Korsok

Systematic and regional study of the U. S. and Canada; the physical environment, natural resources, agriculture, and cultural development.

382. GEOGRAPHICAL STUDIES

1 to 4 Arr. Staff

Supervised studies in fundamentals of geographic research. Maximum credit in any one area, 8 hrs. Prereq., 12 hrs. and permission.

- a. Cartography
- b. Conservation of Natural Resources
- c. Economic Geography
- d. Meteorology and Climatology
- e. Physiography
- f. Political Geography
- g. Regional Geography
- h. Urban Geography

GOVERNMENT

(FIRST TERM)

1. AMERICAN GOVERNMENT (National)

3 10:20 Gusteson

Political and constitutional development, the organization and functioning of the national government. Not open to juniors and seniors.

101. COMPARATIVE

3 8:40 Bald

The government and politics of Great Britain, Germany, and a non-Western state, including organization, procedures, popular representation, and the impact of social and economic forces.

216. INTERNATIONAL RELATIONS

3 10:20 Bald

Basic factors involved in world politics, including the modern state system, nationalism, militarism, the evolution of international relations, forces and conditions affecting international relations, and the formulation of national foreign policies. Prereq., 6 hrs. govt. or hist.

309. LAW ENFORCEMENT

3 7:00 Gusteson

Survey and analysis of the problems of the American policing, prosecutorial, judicial, and correctional systems. Emphasis on both policy making and administration. Prereq., 9 hrs.

398. **PROBLEMS IN GOVERNMENT** 1 to 3 Arr. Staff
Research or directed reading based upon the student's special interest. Maximum credit in course, 6 hrs. Prereq., 15 hrs., and permission.

401. **RESEARCH IN GOVERNMENT** 1 to 3 Arr. Staff
Maximum credit in course, 6 hrs. Prereq., 15 hrs., and permission.

495. **THESIS** 1 to 6 Arr. Staff
Prereq., permission.

(SECOND TERM)

2. **AMERICAN GOVERNMENT (State)** 3 10:20 Prisley
Organization and functioning of state and local governments. Not open to juniors and seniors.

106. **CURRENT POLITICAL AND SOCIAL PROBLEMS** 2 8:40-9:40 Prisley
Analysis of issues pertaining to American labor, agriculture, foreign policy, and civil liberties and their governmental implications.

341. **AMERICAN FOREIGN POLICY** 3 10:20 Collins
A consideration of the problems involved in the formulation and execution of foreign policy. Particular emphasis is given to the current problems of American policy. Prereq., 9 hrs. govt. or hist.

348. **PUBLIC ADMINISTRATION** 3 8:40 Collins
Theory and practice of administrative organization, and control of administrative action, with emphasis on financial and public personnel administration. Basic course for preparation for civil service examination. Prereq., 9 hrs.

398. **PROBLEMS IN GOVERNMENT** 1 to 3 Arr. Staff
See description under 398, first term.

401. **RESEARCH IN GOVERNMENT** 1 to 3 Arr. Staff
Maximum credit in course, 6 hrs. Prereq., 15 hrs., permission.

495. **THESIS** 1 to 6 Arr. Staff
Prereq., permission.

HISTORY

(FIRST TERM)

1. **WESTERN CIVILIZATION IN MODERN TIMES** 3 7:00 Beeler
The course covers the period from 1450 to 1815 and stresses the Renaissance, the Protestant Reformation, the agricultural and commercial revolutions, European expansion, the French Revolution and Napoleonic era. Not open to juniors and seniors.

101. **HISTORY OF THE UNITED STATES** 3 8:40 Lobdell
A survey course covering the political, diplomatic, social and economic developments in American History to 1865.

120. **MEDIEVAL HISTORY** 3 10:20 Beeler
A study of social, economic, and cultural forces of the Middle Ages with emphasis on the institutional and cultural life from the fall of Rome to the Renaissance.

321. **THE UNITED STATES IN RECENT TIMES—1898-1928** 3 11:40 Lobdell
American imperialism, the Progressive Era, World War I, retreat from world responsibility and the post-war prosperity period. Prereq., 6 hrs., including 102.

350. **THE FAR EAST IN MODERN TIMES** 3 8:40 Cady
Manchu China and Tokugawa Japan in the early nineteenth century; the opening of China; Meiji Restoration in Japan; failure of China to adjust to external pressures; Japan's emergence as a World Power; Manchu collapse and abortive efforts to reconstitute the state; Japanese political developments to 1930; defeat of Japan's effort at hegemony over Eastern Asia; Communist triumph in China. Prereq., 2 or 102.

392. **PROBLEMS IN HISTORY** 1 to 3 Arr. Staff
Intensive individual work either in research or in systematic reading along the lines of the student's special interest under the supervision of a member of the staff. Prereq., 15 hrs., and permission. Maximum credit in course, 6 hrs.

495. **THESIS** 1 to 4 Arr. Cady
Prereq., permission.

(SECOND TERM)

2. **WESTERN CIVILIZATION IN MODERN TIMES** 3 7:00 Hehn
Europe in its internal affairs and its world relationships from 1815 to World War II and post war problems. Not open to juniors and seniors.

102. **HISTORY OF THE UNITED STATES** 3 8:40 Daniel
A survey course covering the political, diplomatic, social and economic development of American History since 1865.

105. **HISTORY OF OHIO** 3 10:20 Steiner
A survey from earliest times to the present: social, economic, and political.

331. **SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES** 3 11:40 Daniel
The story of immigration, race, the family, class structure, religion, leisure and "the American way of life"; problems of disease, poverty, crime, and urbanization. Prereq., 6 hrs.

375. **HISTORY OF RUSSIA** 3 10:20 Hehn
A survey from the earliest times to 1914. The Russian background of communist ideas, organization, and practices is stressed. Prereq., 6 hrs., incl. 2.

392. **PROBLEMS IN HISTORY** 1 to 3 Arr. Staff
See description under 392, first term.

495. **THESIS** 1 to 4 Arr. Steiner
Prereq., permission.

HOME ECONOMICS

(FIRST TERM)

106. **FAMILY LIVING** 3 10:20 MTWThF Womble
The case method is used in discussing and analyzing problems confronting young people in establishing a family. Attention is given to the reinforcement the family may secure through interactions with the church, the school, and the community. Credit not given to those who have had H. R. 301 or Soc. 260. Prereq., Psych. 1.

353. **HOME MANAGEMENT LABORATORY** 3 Arr. Ramsey, Verran
Residence in the Home Management House provides experience in the use of human and material resources of the family for the optimum development of its members. A charge is made to cover room and board. Prereq., 351, permission.

369. **HOME ECONOMICS IN ADULT EDUCATION** 3 10:20 MTWThF Sellers, Consultants
Organization procedures, curriculum materials, and methods of conducting adult education groups in the field of education for family living. Prereq., 18 hours.

370. **FAMILY LIFE EDUCATION** 3 8:40 MTWThF Womble
An examination of attitudes, relationships, and practices within the family group as a means of gaining a deeper understanding of dynamics of family living in our changing society. A development of methods and techniques of presenting family living in the Home Economics curriculum. Prereq., 18 hours, Psych. 71 or 173.

381. **RESEARCH IN HOME ECONOMICS** 2 or 3 Arr. Staff
 A project course in which the student carries on independent investigation under the guidance of the instructor. Maximum credit in course, 6 hours. Prereq., 20 hours, permission.

390b. **FIELD WORK IN HOME SERVICE** 3 or 4 Arr. Roberts
 Through cooperation with business organizations, department stores, and our food service department, opportunities are given for on-the-job training, and practical experience. The faculty advisor serves as coordinator of the work established with these outside agencies. Prereq., 18 hours, permission, and senior rank.

390c. **FIELD WORK IN FOOD SERVICE MANAGEMENT** 3 or 4 Arr. Roberts
 See description above.

390d. **FIELD WORK IN RETAIL MERCHANDISING** 3 or 4 Arr. Roberts
 See description above.

495. **THESIS** 1 to 4 Arr. Staff
 Prereq., permission.

(SECOND TERM)

334. **HOUSEHOLD EQUIPMENT** 3 8:40 MTWThF Macauley
 10:30 MWF
 A critical analysis of the use of equipment to establish standards for effective use. Prereq., 2, 108.

353. **HOME MANAGEMENT LABORATORY** 3 Arr. Macauley, Ramsey
 See description under 353, first term.

381. **RESEARCH** 2 or 3 Arr. Staff
 See description under 381, first term.

390b. **FIELD WORK IN HOME SERVICE** 3 or 4 Arr. Roberts
 See description under 390b, first term.

390c. **FIELD WORK IN FOOD SERVICE MANAGEMENT** 3 or 4 Arr. Roberts
 See description under 390b., first term.

390d. **FIELD WORK IN RETAIL MERCHANDISING** 3 or 4 Arr. Roberts
 See description under 390b., first term.

495. **THESIS** 2 to 4 Arr. Staff
 Prereq., permission.

HUMAN RELATIONS

(FIRST TERM ONLY)

303. **HUMAN RELATIONS** 3 10:20, 8:40 Ostlund, Woodard
 A course taught by the case method, designed for students interested in studying the habits and skills of analysis, judgment, and action important to people in all walks of life. Prereq., jr. sr., or grad. rank.

325. **FIELD WORK OR RESEARCH** 1 to 3 Arr. B. Black
 An opportunity for individual work in a specialized area of human relations; field work in human relations; or supervised work for a specified time in the offices of admissions, Registrar, O.U. Center, housing, and University College; or research under the direction of the staff. Maximum credit in course, 5 hrs. Prereq., 303, permission.

384. **GROUP DYNAMICS** 3 8:40 Ostlund
 Principles and techniques used in the study of groups and their members, in order to study such variables as leadership, attitude, structure, process, product and change. History, theories, techniques and applications of group dynamics. Prereq., 3 hrs. Psych. or Soc.

495. **THESIS** 1 to 6 Arr. Staff
 Prereq., permission.

INDUSTRIAL ARTS

(FIRST TERM)

5. **DRIVER EDUCATION** 1 12-1 TTh Arr. Covert
A course for novice drivers. Credit and points not counted toward degree. Fee, \$15.

9. **CRAFTS** 2 1:40-3:40 Perry
Fundamentals of working with leather, art metal, enameling, and plastics. Open to any student in the University.

14. **GENERAL HOT METALS** 3 7:00;8:40 Squibb
Forging, foundry, and welding practice.

106. **ADVANCED WORK IN CRAFTS** 2 1:40-3:40 Perry
Practice in original design and skill development in crafts. Prereq., 9 or permission.

129. **WELDING** 2 7:00-9:00 Squibb
Practice in oxy-acetylene, electric arc, and spot welding. Prereq., 14.

199. **DRIVER AND TRAFFIC SAFETY EDUCATION** 3 12-1 Arr. Covert
Critical analysis of traffic accidents, attitude factors, essential knowledge of automobile operations, and traffic laws and regulations. Includes laboratory experiences for developing driving skills. Prereq., Psych. 71.

299. **PROBLEMS IN SAFETY EDUCATION** 2 10:20-11:20 Covert
Special emphasis on applications in the areas of manufacturing and transportation.

316. **PROJECT DEVELOPMENT FOR ELECTRICITY AND ELECTRONICS** 3 8:40;10:20 Perry
Development of original projects with related instructional materials applicable to selected areas of industrial arts.

328. **SPECIAL PROBLEMS** 3 Arr. Perry
Research on selected problems.

403. **CURRENT TRENDS AND DEVELOPMENTS IN INDUSTRIAL EDUCATION** 2 1:40-2:40 Squibb
New developments and undertakings in the field of industrial education as interpreted by visiting personnel.

(SECOND TERM)

9. **CRAFTS** 2 1:40-3:40 R. Baird
Fundamentals of working with leather, art metal, enameling, and plastics. Open to any student in the University.

106. **ADVANCED WORK IN CRAFTS** 2 1:40-3:40 R. Baird
Practice in original design and skill development in crafts. Prereq., 9 or permission.

115. **INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL** 1 12-1:15 Hawlk
Planning and construction of projects associated with classroom work.

131. **CERAMICS** 2 1:40-3:40 Hawlk
Practice in common forming, firing, and glazing techniques employed in the ceramic industry.

426. **HISTORY AND PHILOSOPHY OF INDUSTRIAL EDUCATION** 3 8:40 Hawlk

457. **PROGRAM PLANNING** 3 10:20 R. Baird
Planning industrial arts curricula for specific schools.

JOURNALISM

(FIRST TERM)

111. **REPORTING PRACTICE** 1 to 4 Arr. Reamer
Students are assigned to general reporting on The Athens Messenger, which includes the covering of definite news beats as well as special assignments. Prereq., 107 and permission.

221. **EDITING PRACTICE** 1 or 2 Arr. Ward
 Students are assigned to copyreading on The Athens Messenger, handling local, correspondence, and wire copy, and working out make-up problems. Prereq., 217 and permission.

277. **NEWSPAPER ADVERTISING PRACTICE** 1 to 4 Arr. McDargh
 Laboratory work in preparing copy for local display advertisers of The Athens Messenger. Other practice problems in the fields of classified, national, and promotion advertising. Prereq., 247 and permission.

375. **SPECIALIZED JOURNALISM** 3 10:20 Hart
 A course designed for students desiring training in special fields—science, sports, society, politics, military, home economics, agriculture, religious activities, teaching journalism, music, and other approved areas. Prereq., junior rank or above and permission.

378. **SUPERVISING SCHOOL AND COLLEGE PUBLICATIONS** 3 8:40 Wagner
 A conference course for advisers of high school and college newspapers, magazines, and yearbooks. Problems relating to staff selection, content of publications, copy, layout, photography, printing, advertising, and business phases. The Publications Workshop will be analyzed on a case study basis. Prereq., 12 hrs. or permission.

381. **RESEARCH IN JOURNALISM** 1 to 3 Arr. Staff
 Prereq., 18 hrs. in journalism and advertising and permission.

495. **THESIS** 1 to 6 Arr. Staff
 Prereq., permission.

(SECOND TERM)

111. **REPORTING PRACTICE** 1 to 4 Arr. Reamer
 See description under 111, first term.

221. **EDITING PRACTICE** 1 or 2 Arr. Ward
 See description under 221, first term.

277. **NEWSPAPER ADVERTISING PRACTICE** 1 to 4 Arr. McDargh
 See description under 277, first term.

322. **FEATURE AND MAGAZINE WRITING** 3 10:20 Baird
 A study of newspaper, magazine, and pictorial features, followed by practice in writing and marketing of various types. The course includes finding subjects, securing photographs, writing articles, and surveying markets. Prereq., 107, or 12 hrs. English, or permission.

327. **PUBLIC RELATIONS TECHNIQUES** 3 8:40 Sargent
 Study and practice of fundamental public relations functions. Emphasis is placed on polling, publicity writing, and preparation of literature of business organizations—house organs, reports, pamphlets, advertisements, leaflets, manuals, and letters. Prereq., 107, 146, and junior rank, or permission.

381. **RESEARCH IN JOURNALISM** 1 to 3 Arr. Staff
 18 hrs. in journalism and advertising and permission.

495. **THESIS** 1 to 6 Arr. Staff
 Prereq., permission.

LIBRARY SCIENCE

(FIRST TERM ONLY)

191. **THE USE OF LIBRARY RESOURCES** 3 10:20 Staff
 Training in the effective use of modern library resources. Required for a minor in library science.

202. **BOOKS FOR HIGH SCHOOL READERS** 3 7:00 Staff
An introduction to books and book services for the high school age group.

MANAGEMENT

(FIRST TERM)

211. **INDUSTRIAL MANAGEMENT** 3 7:00 Bolon
An examination of the basic fundamentals of management underlying the solution of problems of organization and operation in all business enterprise. Prereq., Ec. 12 or 102, sophomore rank, or permission.

312. **ADMINISTRATION OF PERSONNEL** 3 10:20 Bolon
Prereq., 211 or permission.

381. **RESEARCH IN MANAGEMENT** 1 to 3 Arr. Staff
Prereq., 16 hrs. economics and/or business administration including 301 or 312 and permission.

495. **THESIS** 1 to 6 Arr. Staff
Prereq., permission.

(SECOND TERM)

3. **INTRODUCTION TO BUSINESS** 3 10:20 Weaver
A survey of the operations of business in our capitalistic system. An understanding of the technical language of business. Not open to upperclassmen working toward the Bachelor of Business Administration degree.

340. **ORGANIZATION** 3 8:40 Weaver
Study of the development of organizational theory and management thought as applied to administration, staff, and operating management. Development of individual, operating management concepts which students can use as a basis for analysis of business problems and evaluation of organizational performance. Prereq., 211 or permission.

381. **RESEARCH IN MANAGEMENT** 1 to 3 Arr. Staff
Prereq., 16 hrs. economics and/or business administration including 301 or 312 and permission.

495. **THESIS** 1 to 6 Arr. Staff
Prereq., permission.

MARKETING

(FIRST TERM ONLY)

155. **MARKETING PRINCIPLES** 3 10:20 Richmond
The principles, methods, and policies of marketing consumers' goods and industrial goods. Prereq., Ec. 12 or 102.

311. **RECENT TRENDS IN MARKETING AND SELLING** 3 1:40 Richmond
Prereq., 155.

381. **RESEARCH IN MARKETING** 1 to 3 Arr. Staff
Prereq., 18 hrs. business administration including 5 hrs. marketing and permission.

495. **THESIS** 1 to 6 Arr. Staff
Prereq., permission.

MATHEMATICS

(FIRST TERM AND TEN-WEEK COURSES)

1. **ELEMENTARY ALGEBRA** 3 1:40 Staff
A course for students with no high school algebra. Credit and points not counted toward degree.

2. **EUCLIDEAN GEOMETRY** 3 1:40 Butner
 A course for students with no high school geometry. Prereq., 1 or 1 year high school algebra. Credit and points not counted toward degree.

3. **COLLEGE ALGEBRA** 3 12:00 Marquis
 Exponents and radicals, quadratic equations, proportion and variation, binomial theorem, progressions, determinants. Prereq., 2, or 1 year each in algebra and geometry in high school.

8. **FOUNDATIONS OF ELEMENTARY ARITHMETIC** 3 1:40 Staff
 Positional notation and other number bases, justification of the arithmetic algorithms, and structure of the number system. Open to elementary education majors only. Prereq., high school algebra, plane geometry.

16. **ANALYTIC GEOMETRY AND CALCULUS (Ten-Week course)** 5 12:00 MTThF Staff
 Functions and limits, differentiation and integration of algebraic forms, vectors, topics in analytic geometry (including conics), and differentiation of trigonometric functions. Prereq., 14, or 15, or qualification by exam.

101. **ANALYTIC GEOMETRY AND CALCULUS (Ten-Week course)** 4 10:20 MWF Mack
 Differentiation of logarithmic and transcendental functions, evaluation of integrals, limits and continuity, applications of derivatives and integrals, improper integrals, and polar coordinates. Prereq., 16.

102. **ANALYTIC GEOMETRY AND CALCULUS (Ten-Week course)** 4 8:40 MWF Staff
 Solid analytic geometry, partial differentiation, multiple integrals, infinite series, and expansion of functions. Prereq., 101.

215. **ADVANCED APPLIED MATHEMATICS (Ten-Week course)** 3 8:40 MWF Marquis
 Ordinary differential equations and related topics. Prereq., 102.

216. **ELEMENTARY COMPLEX ANALYSIS** 2 10:20 MWF Butner
 Selected topics from the theory of functions of a complex variable of importance in the engineering and physical sciences. Prereq., 215.

301. **ARITHMETICAL AND ALGEBRAIC SYSTEMS** 3 8:40 Mack
 Properties and structures of number systems; selected topics from theory of equations and linear algebra. Prereq., 102 or with 102.

495. **THESIS** 1 to 6 Arr. Staff
 Prereq., permission.

(SECOND TERM)

2. **EUCLIDEAN GEOMETRY (2 sections)** 3 12:00 Staff
 See description under 2, first term. 1:40 Staff

4. **BASIC MATHEMATICS FOR BUSINESS ANALYSIS** 3 1:40 Staff
 Prereq., 3.

14. **TRIGONOMETRY** 3 12:00 Staff
 Prereq., 9 or concurrent enrollment in 9, or 3 with "C" or better.

314. **FOURIER ANALYSIS AND PARTIAL DIFFERENTIAL EQUATIONS** 2 10:20 MWF Spring
 Prereq., 215.

495. **THESIS** 1 to 6 Arr. Staff
 Prereq., permission.

MODERN LANGUAGES

(FIRST TERM)

FRENCH

1. BEGINNING FRENCH 4 8:40 daily, 1:40 TTh Fiber

GERMAN

1. BEGINNING GERMAN 4 8:40 daily, 1:40 TTh Krauss

SPANISH

1. BEGINNING SPANISH 4 8:40 daily, 1:40 TTh Perez

(SECOND TERM)

FRENCH

2. BEGINNING FRENCH 4 8:40 daily, 1:40 TTh Flum
Prereq., 1.

GERMAN

2. BEGINNING GERMAN 4 8:40 daily, 1:40 TTh Richardson
Prereq., 1.

SPANISH

2. BEGINNING SPANISH 4 8:40 daily, 1:40 TTh Gomez-Gil
Prereq., 1.

MUSIC

(FIRST TERM)

72. MUSIC FUNDAMENTALS

2 8:40-9:40

Boxberger
A course for elementary teachers only, involving theory, ear training, tone production.

104. DICTATION AND SIGHT SINGING

2 Arr.

Hall
Prereq., Music 4 with min. grade of C.

201. ANALYSIS AND FORM

2 8:40-9:40

Hall
Harmonic and structural analysis of music composition. Prereq., 106.

313. ORCHESTRATION

2 Arr.

Ahrendt
Scoring for small, medium, and full orchestra. Prereq., 104, 106.

315. ADVANCED HARMONY

2 Arr.

Hall
The evolution of harmony to the present, including the new methods of chord structure in modern harmony. Prereq., 104, 106.

319. COMPOSITION

2 Arr.

Ahrendt
Original writing in the small forms. Prereq., 104, 106.

376a. MUSIC CLINIC—WORKSHOP (June 15-27)

2 Arr.

Staff
Prereq., Sr. or Grad. majors.

381. RESEARCH IN MUSIC

1 or 2 Arr.

Boxberger
Prereq., 30 hrs. or the equivalent, permission.

401. MUSIC LITERATURE

3 1:40

Suess
Prereq., F. A. 124, permission.

403. SEMINAR IN MUSIC I 8:00 p.m. MTh Suess
 Reports on research by students or faculty, for discussion. Required of all graduate students enrolled in School of Music. Maximum credit in course, 2 hrs. Prereq., Grad. major, permission.

472. PROBLEMS IN THE SUPERVISION OF INSTRUMENTAL MUSIC 3 10:20 Minelli
 Prereq., 261, 263, 2 hrs. observation, and 4 hrs. student teaching.

473. EXPERIMENTAL STUDIES 3 Arr. Boxberger
 Prereq., permission.

495. THESIS 1 to 4 Arr. Staff
 Prereq., permission.

APPLIED MUSIC

Private instructional fee for applied music (voice, piano, strings, woodwinds, brass, percussion), \$25 a semester hour. Prereq. in each is permission.

PIANO $\frac{1}{2}$ or I Arr. Longstreet

STRINGED INSTRUMENTS: Violin, Viola, Violoncello, Bass $\frac{1}{2}$ or I Arr. Ahrendt

WOODWIND INSTRUMENTS: Flute, Oboe, Clarinet, Bassoon $\frac{1}{2}$ or I Arr. Minelli

BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba $\frac{1}{2}$ or I Arr. Minelli

PERCUSSION INSTRUMENTS: $\frac{1}{2}$ or 1 Arr. Minelli

UNIVERSITY BANDS $\frac{1}{2}$ 7:00 p.m. TTh Minelli
 Open to all students.

399. Applied music as a graduate minor; not open to undergraduates. Prereq., permission. Maximum credit in course, 8 hrs. 1 Arr. Staff
 b. Piano
 c. Stringed Instruments
 d. Woodwind Instruments
 e. Brass Instruments
 f. Percussion Instruments

433. PIANO 1 Arr. Longstreet

437. STRINGED INSTRUMENTS 1 Arr. Ahrendt

(SECOND TERM)

262. MUSIC FOR THE CLASSROOM TEACHER 2 10:20-11:20 Crews
 Open to classroom teachers only. Prereq., 72.

266. TEACHING OF MUSIC IN THE ELEMENTARY GRADES 3 8:40 Crews
 Music materials and methods. For elementary, music majors only. Prereq., 106.

307. ARRANGING AND SCORING FOR BANDS 2 8:40-9:40 Brophy
 Scoring and arranging for the modern marching and symphonic band. Prereq., 104, 233.

376c. ELEMENTARY MUSIC WORKSHOP (Aug. 10-13) 1 Arr. Crews

381. RESEARCH IN MUSIC 1 or 2 Arr. Stephenson
 Prereq., 30 hrs. or equivalent, permission.

470. CONTEMPORARY TRENDS IN MUSIC EDUCATION 2 10:20-II:20 Stephenson
 Prereq., permission.

471. PROBLEMS IN THE SUPERVISION OF VOCAL MUSIC 2 12:00-1:00 Stephenson
Prereq., 265, 266, 267, 2 hrs. observation, 4 hrs. student teaching.

495. THESIS 1 to 4 Arr. Staff
Prereq., permission.

APPLIED MUSIC

Private instructional fee for applied music (voice, piano, strings, woodwind, brass, percussion), \$25 a semester hour. Prereq. in each area is permission.

VOICE $\frac{1}{2}$ or 1 Arr. Peterson

WOODWIND INSTRUMENTS: Flute, Oboe, Clarinet, Bassoon $\frac{1}{2}$ or 1 Arr. Brophy

BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba $\frac{1}{2}$ or 1 Arr. Brophy

PERCUSSION INSTRUMENTS $\frac{1}{2}$ or 1 Arr. Brophy

UNIVERSITY BANDS $\frac{1}{2}$ 7:00 p.m. TTh Brophy

273. CONDUCTING 2 10:20-11:20 Brophy
Fundamentals of conducting, accompanied by individual practice in conducting. For music majors only; open to others by permission. Prereq., 104, 106, permission.

375. ADVANCED CONDUCTING 2 Arr. Brophy
An opportunity for study and practical experience in either choral or instrumental conducting; maximum credit in course, 6 hrs. Prereq., 273, permission.

399. Applied music as a graduate minor; not open to undergraduates. Prereq., permission. Maximum credit in course, 8 hrs. 1 Arr. Staff
a. Voice
d. Woodwind Instruments
e. Brass Instruments
f. Percussion Instruments

431. VOICE 1 Arr. Peterson
Prereq., permission.

438. BRASS INSTRUMENTS 1 Arr. Brophy
Prereq., permission.

PHILOSOPHY

(FIRST TERM)

2. MORAL PHILOSOPHIES 3 8:40 Murphree
Types of ethical theory, the bases of moral decision, and the nature of values. Not open to juniors and seniors.

110. INTRODUCTION TO PHILOSOPHY 3 12:00 Wieman
An analysis of typical philosophical problems arising in the study of nature, society, and religion for the purpose of developing a thoughtful and consistent intellectual perspective.

117. SOCIAL PHILOSOPHY 3 10:20 Murphree
Basic types of social and political philosophies, classical and modern.

(SECOND TERM)

1. PRINCIPLES OF REASONING 3 8:40 Ruchti
The use of evidence in establishing reliable conclusions. Not open to juniors and seniors.

110. **INTRODUCTION TO PHILOSOPHY** 3 10:20 Ruchti
 See description under 110, first term.

201. **ETHICS** 3 12:00 Wieman
 A comparison of theories of the right and the good which enter into contemporary thought.

PHYSICAL EDUCATION AND ATHLETICS

(FIRST TERM)

SERVICE COURSES FOR MEN AND WOMEN

1. **SPORTS (Individual)** 1 8:40 Hart
 Archery, badminton, handball, or squash.

3. **BEGINNING SWIMMING (2 sections)** 1 8:40,10:20 Gilders
 For students who are unable to swim.

4. **INTERMEDIATE SWIMMING (2 sections)** 1 8:40,10:20 Gilders, Kappes
 For students who have passed a beginner's swimming test or can swim; instruction and practice in the basic strokes, plain and surface diving. Prereq., 3 or equivalent.

5. **ADVANCED SWIMMING** 1 12:00 Kappes
 For those who have passed the Red Cross Swimmer's Test or its equivalent. The analysis and skills of diving. The recognized strokes and their variations, and fundamentals of competitive swimming. Prereq., 4 or permission.

118. **SENIOR LIFE SAVING** 1 12:00 Gilders
 Techniques included in the test for American Red Cross Senior Life Saving Certificate. Prereq., 5 or permission.

17. **BEGINNING TENNIS (2 sections)** 1 8:40;10:20 Hart, Hess
 Skills, court strategy, and rules.

18. **INTERMEDIATE TENNIS** 1 10:20 Hart, Hess
 A continuation of 17. Prereq., 17 or experience.

41. **BEGINNING GOLF (4 sections)** 1 8:40;10:20;12:00;1:40 Mourouzis, Wren

42. **INTERMEDIATE GOLF** 1 1:40 Wren
 Prereq., 41 or playing experience; own clubs.

45. **BEGINNING BOWLING (3 sections)** 1 10:20;12:00;1:40 Schleicher
 \$12.50 pin fee.

47. **RIDING** 1 3:20 MTWTh Nessley
 At McAfee Farm. \$20.00 fee.

RECREATIONAL DIP HOUR 0 1:40 Staff
 A swimming period reserved for mixed groups of summer session students. Instruction if desired. No fee and no credit.

Major-Minor

TEACHER EDUCATION COURSES FOR MEN AND WOMEN

102. **PERSONAL AND COMMUNITY HEALTH** 3 8:40 Rhoads
 Hygienic practices and appreciation of the means whereby the health of the individual and of the group may be maintained.

121. **PROGRAM SKILLS (Women)** 2 10:20 O'Neal, Rhoads
 Theory and practice of individual sports, folk dancing, gymnastics, tumbling, and stunts.

128. **ATHLETIC TRAINING** 2 1:40 Hart
 Theory and practice of physical therapy and the treatment of athletic injuries. Prereq., Zool. 133 or permission.

221. **PROGRAM SKILLS (Men)** 2 10:20 O'Neal, Rhoads
Elementary school games, rhythmic, dual and individual sports. Prereq., 61, 165 or 166.

270. **TEACHING OF PHYSICAL EDUCATION (2 sections)** 1 12:00 MW; 12:00 TTh Jacoby
Objectives, organization and program suggestions for elementary school.

309. **TESTS AND MEASUREMENTS** 3 10:20 Mason
Methods of evaluation in health education, physical education, and athletics; practice in handling testing data by elementary statistical methods. Prereq., 10 hrs., Senior or graduate rank.

349. **COMMUNITY RECREATION** 3 8:40 Nessley
History of the play movement, programs and program building, administration of playground, community centers, and recreational activities. Prereq. 10 hrs. and senior or graduate rank.

353. **CLINICAL OBSERVATION AND PRACTICE IN PHYSICAL MEDICINE AND REHABILITATION** 4 8:00-5:00 V.A. Hospital Staff
A concentrated summer school field course at Veterans Administration Hospital, Chillicothe, Ohio. Instruction by hospital corrective therapy staff. Open to senior majors or graduate students in physical education. Prereq., Zool. 133, 134 or equivalent.

400. **GUIDED INDEPENDENT STUDY** 1 Arr. Rhoads, Staff
Guided independent study of a selected problem in physical education with a written report based on the research.

491. **SEMINAR IN PHYSICAL EDUCATION AND ATHLETICS** 3 12:00 Mason
Research and investigation in health education, physical education, recreation or athletics. Topics and problems suitable for thesis writing, methods of research, writing practice and critical analysis of outlines for research study.

495. **THESIS** 1 to 6 Arr. Mason, Staff
Prereq., permission.

(SECOND TERM)

See first term for descriptions and prerequisites of the following service courses.

2. **SPORTS (INDIVIDUAL)** 1 8:40 Heffelfinger

3. **BEGINNING SWIMMING** 1 8:40 S. Huntsman

4. **INTERMEDIATE SWIMMING** 1 10:20 S. Huntsman

5. **ADVANCED SWIMMING** 1 10:20 S. Huntsman

17. **BEGINNING TENNIS (2 sections)** 1 8:40; 10:20 Snyder

18. **INTERMEDIATE TENNIS** 1 10:20 Heffelfinger

41. **BEGINNING GOLF (4 sections)** 1 8:40; 10:20; 12:00; 1:40 Blosser, Richey

42. **INTERMEDIATE GOLF** 1 1:40 Blosser

45. **BEGINNING BOWLING (3 sections)** 1 10:20; 12:00; 1:40 Richey, Widdoes

RECREATIONAL DIP HOUR 0 1:40 Staff

Major-Minor

TEACHER EDUCATION COURSES FOR MEN AND WOMEN

102. **PERSONAL AND COMMUNITY HEALTH** 3 10:20 W. Miller
See description under 102, first term.

269. **TEACHING OF HEALTH** 3 7:00 Trepp
Instruction, principles and curricula used in presenting health information to pupils in the elementary and secondary school. Prereq., 102.

271. **ELEMENTARY P. E. WORKSHOP (Swimming)** 1 8:40-3:20 (July 20-24) O'Neal, Staff
Methods and Practice. Prereq., 118.

395. **SCHOOL HEALTH PROBLEMS** 3 10:20 Trepp
Principles, problems, organization and administration of school health programs.

396. **PROBLEMS OF INTERSCHOOL ATHLETICS** 3 12:00 Widdoes
Problems pertaining to interschool competition at all age levels. Prereq., 10 hrs. and senior or graduate rank.

400. **GUIDED INDEPENDENT STUDY** 1 Arr. W. Miller, Staff
See description under 400, first term.

492. **FOUNDATIONS OF HEALTH EDUCATION AND PHYSICAL EDUCATION** 3 8:40 W. Miller
A summation of the principles from biology, psychology, and sociology underlying the programming, instruction, and administration of health education and physical education.

495. **THESIS** 1 to 6 Arr. Staff
Prereq., permission.

PHYSICS

(FIRST TERM AND TEN-WEEK COURSES)

6. **INTRODUCTION TO PHYSICS** 4 8:40 MTWThF Stumpf
Lab 1:40-3:30 TWTh
Fundamentals of electricity, magnetism, light and atomic structure. For pre-professional students. 3 lec., 2 lab.

114. **GENERAL PHYSICS (Ten-week course)** 4 10:20-11:35 MWF Vittitoe
Lab 1:40-3:30 TTh (8 wks)
For students of chemistry, engineering, mathematics, and physics. Electricity, magnetism, wave motion, and light. Lectures with demonstrations, recitations, and lab. 3 lec., 2 lab. Prereq., 113, Math 102 or with 102.

115. **GENERAL PHYSICS** 3 8:40 MTWThF Koshel
For students of chemistry, engineering, mathematics, and physics. Selected topics in modern physics. Required for physics majors. 3 lec. Prereq., 114, Math 102 or with 102.

361. **SPECIAL PROBLEMS** 1 to 3 Arr. Staff
Supervised research problems of limited scope in experimental and theoretical physics. Maximum credit in course, 8 hrs. Prereq., 15 hours.

481. **RESEARCH** 1 to 3 Arr. Staff
Maximum credit in course, 6 hrs. Prereq., 24 hrs.

491. **SEMINAR** 1 Arr. Staff
Intensive study of current research by special groups. Prereq., 15 hrs.

495. **THESIS OR DISSERTATION** As recommended by dept. Staff
Prereq., permission.

(SECOND TERM)

361. **SPECIAL PROBLEMS** 1 to 3 Arr. Staff
Supervised research problems of limited scope in experimental and theoretical physics. Maximum credit in course, 8 hrs. Prereq., 15 hrs., permission.

481. RESEARCH	1 to 3	Arr.	Staff
Maximum credit in course, 6 hrs., Prereq., 24 hrs.			
491. SEMINAR	1	Arr.	Staff
Intensive study of current research by special groups. Prereq., 15 hrs.			
495. THESIS OR DISSERTATION	As recommended by dept.		Staff
Prereq., permission.			

PSYCHOLOGY
(FIRST TERM)

1. GENERAL PSYCHOLOGY	3	10:20	A. Anderson
A survey of the most significant facts and principles of behavior. Not open to juniors and seniors.			
9. IMPROVEMENT OF READING AND STUDY METHODS (2 sections)			
	1	10:20 MWF	Arr. Russell
Improvement of study and reading habits. 3 lec. and 1 lab. Credit and points not counted toward a degree.			
	1	12:00 MWF	Arr. Russell
Psychological facts and principles of concern to those planning to teach. Prereq., 1 or 101. Not open to juniors and seniors.			
121. ELEMENTARY STATISTICS FOR THE BEHAVIORAL SCIENCES	3	8:40	Kintz
Measures of central tendency, variability, correlation, and the simplest tests of hypotheses. Prereq., Math 3 with minimum grade of C, or 9, or 15.			
173. CHILD PSYCHOLOGY	3	8:40	Crawford
Behavior in infancy and childhood. Prereq., 1 or 101.			
303. LEARNING	3	12:00	Kintz
Methods and basic data in the areas of conditioning, discrimination learning, problem solving, habit formation, and retention. Lec. and lab. combined. Prereq., 226.			
310. MOTIVATION AND EMOTIONS	3	8:40	A. Anderson
The dynamics of animal and human behavior; a study of drives, desires, incentives; a study of emotion in relation to motives. Prereq., 9 hrs.			
332. ABNORMAL PSYCHOLOGY	3	8:40	Koontz
Man's mental deviations from the normal; the theory, application, and limitations of psychoanalysis; methods of studying abnormal mental processes, especially psychoses. Clinics at hospitals. 2 lec., 1 lab. Prereq., 9 hrs.; or 6 hrs. and 6 hrs. Zool.			
333. PSYCHOLOGY OF PERSONALITY	3	10:20	Koontz
A study of the origins, development, and organization of personality, with emphasis upon current theory and research. Prereq., 9 hrs.			
390. MINOR PROBLEMS IN PSYCHOLOGY	1 to 3	Arr.	Staff
Training in the scientific study of some problem of special interest to the student. Relatively independent work emphasized. Maximum credit in course, 6 hrs. Prereq., 9 hrs., permission.			
442. INDIVIDUAL INTELLIGENCE TESTING	3	10:20	MTW (Arr.) Semans
The theory, methods, practice, and results of intelligence tests. Lec. and lab. combined. Prereq., 142 or 441.			
491. RESEARCH IN PSYCHOLOGY	1 to 3	Arr.	Staff
Prereq., 15 hrs., permission.			
495. THESIS OR DISSERTATION	As Recommended by Department	Arr.	Staff
Prereq., permission.			

(SECOND TERM)

2. **PRINCIPLES OF PSYCHOLOGY** 3 10:20 Bruning
An extension of 1, with emphasis on learning, motivation, sensory processes, etc. Prereq., 1 or 101. Not open to juniors and seniors.

71. **EDUCATIONAL PSYCHOLOGY** 3 10:20 Crawford
See description under 71, first term.

142. **INTRODUCTION TO PSYCHOLOGICAL TESTS** 3 8:40 Crawford
The nature and purpose of psychological measurements. Introduction to tests of intelligence, achievement, personality, and interest. Prereq., 1 or 101; 121 or equivalent.

301. **EXPERIMENTAL SENSORY PSYCHOLOGY** 3 10:20 R. Thompson
A systematic study of sensory processes, including vision, audition, gustation, olfaction, and somesthesia. Experimental methods, research findings, and theory are emphasized. 2 lec., 3 lab. Prereq., 226 or permission.

312. **PHYSIOLOGICAL PSYCHOLOGY** 3 1:40 R. Thompson
A study of the relationship between integrated behavior and the bodily processes in the intact organism. Prereq., 226, Zool 3, 4.

336. **SOCIAL PSYCHOLOGY** 3 8:40 Bruning
A study of the behavior of man as influenced by group membership, with emphasis on the individual's interaction as a basis of change of motives, attitudes, and personality. Prereq., 9 hrs.

390. **MINOR PROBLEMS IN PSYCHOLOGY** 1 to 3 Arr. Staff
See description under 390, first term.

491. **RESEARCH IN PSYCHOLOGY** 1 to 3 Arr. Staff
Prereq., 15 hrs., permission.

495. **THESIS OR DISSERTATION** As Recommended by Department Arr. Staff
Prereq., permission.

RADIO-TELEVISION

(FIRST TERM)

105. **RADIO-TELEVISION BROADCASTING MECHANICS** 2 Arr. Rety
Introduction to the technical aspects of radio and television broadcasting.

147. **EQUIPMENT CONTROL AND OPERATIONAL PROCEDURE** 2 Arr. Rety
Prereq., 105.

180. **RADIO SPEECH** 2 8:40 Jukes
Microphone techniques, pronunciation problems practice in various broadcasting activities. Prereq., 7, 34 or with 34.

301. **BROADCASTING AND THE PUBLIC** 3 1:40 Spalding
Production aspects of television and general principles of equipment operation and crew responsibilities. Prereq., 79 or equivalent and junior standing.

360. **INSTRUCTIONAL METHODS IN EDUCATIONAL TELEVISION** 3 10:20 Spalding
Practical applications of television in the public school classroom. Utilization of television programs as an adjunct to instruction. Preparation of instructional units for telecasting. Prereq., teaching experience or permission.

381. **RESEARCH** 2 to 4 Arr. Staff
Not open to graduate students. Prereq., permission.

494. **RESEARCH** 1 to 6 Arr. Staff
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission.

495. **THESIS OR DISSERTATION** As recommended by dept. Arr. Staff
Prereq., permission.

(SECOND TERM)

147. EQUIPMENT CONTROL AND OPERATIONAL PROCEDURES	2	Arr.	Retry
Prereq., 105.			
302. PRINCIPLES OF TELEVISION PRODUCTION	3	10:20	Saunders
Production aspects of television and general principles of equipment operation and crew responsibilities. Laboratory experience. Prereq., 180, 301, or permission.			
381. RESEARCH	2 to 4	Arr.	Staff
See description under 381, first term.			
494. RESEARCH	1 to 6	Arr.	Staff
See description under 494, first term.			
495. THESIS OR DISSERTATION	As recommended by dept.	Arr.	Staff
Prereq., permission.			

SECRETARIAL STUDIES

(FIRST TERM ONLY)

220. BUSINESS COMMUNICATIONS	3	8:40	Sponseller
Written reports and letters for business. Prereq., English 4, junior or senior rank.			

SOCIOLOGY

(FIRST TERM)

101. PRINCIPLES OF SOCIOLOGY	3	10:20	Horning
Nature of culture, personality development, group interaction, social classes, social institutions, race and ethnic relations, and social movements. Not open to freshman nor students who have taken 1.			
110. SOCIAL BEHAVIOR	3	10:20	Harlan
Introduction to social psychology: the development of role-taking ability and self-concepts; the patterning of personality and conduct through social interaction. Prereq., 1 or 101.			
260. MARRIAGE AND THE FAMILY	3	8:40	Horning
The family in various cultures; courtship, marriage, and family relationships in American society; family disorganization; the development of marriage counseling. Prereq., 1 or 101.			
321. CONTEMPORARY SOCIAL MOVEMENTS	3	8:40	Harlan
Revolutionary, nationalistic, reform, religious, fashion, and similar social movements; leaders, ideologies, tactics; case studies of typical movements. Prereq., 6 hrs.			
381. RESEARCH PROBLEMS	1 to 3	Arr.	Staff
Individual research coordinated with other student or staff projects. Maximum credit in course, 6 hrs. Prereq., 15 hrs., including 152, 175, and permission.			
495. THESIS	1 to 4	Arr.	Staff
Prereq., permission.			

(SECOND TERM)

101. PRINCIPLES OF SOCIOLOGY	3	10:20	Kwan
See description under 101, first term.			
105. INTRODUCTION TO ANTHROPOLOGY	3	8:40	Webb
Human origins, migrations, and the distribution of races; prehistoric development of human societies; analysis of representative cultures of the Old and New Worlds; primitive cultural, social, and economic organization. Prereq., 1 or 101.			

207. SOCIOLOGY OF EDUCATION	3	10:20	Webb
The school as a social institution in relation to the community and the development of the child; comparative systems of education; sociology of learning and teaching. Prereq., 1 or 101.			
381. RESEARCH PROBLEMS	1 or 2	Arr.	Staff
See description under 381, first term.			
495. THESIS	1 to 4	Arr.	Staff
Prereq., permission.			

SPEECH AND SPEECH AND HEARING THERAPY

(FIRST TERM)

SPEECH

1. FUNDAMENTALS OF SPEECH (5 sections)	1	7:00 MW	Ham
		8:40 TTh	Penson
		10:20 MW	Walker
		1:40 TTh	LaFollette
		1:40 MW	Staff
Study and practice of basic techniques for effective participation in everyday speaking situations.			
3. PUBLIC SPEAKING (2 sections)	2	7:00	Brandes, Kantner
		10:20	
Principles of public speaking. Practice in presenting short informative, entertaining and persuasive speeches with emphasis upon intellectual and emotional adjustment to speaking situations. Prereq., 1 or proficiency test.			
25. PRINCIPLES OF ARGUMENTATION	2	8:40	Staff
Analysis of the debate proposition, preparation of briefs, study of evidence, class debates.			
325. DIRECTION OF FORENSIC PROGRAMS	2 or 3	7:00	Faules
Organization of forensic programs in high schools and colleges, management of interschool contests and tournaments, coaching of debate, discussion and individual events and principles of judging. Practical application in high school debate workshop. Prereq., permission. (Note: Instructors attending only the workshop in high school debate should enroll for 2 credits.)			
366. COMMUNICATION IN ORGANIZATIONS	3	10:20	Penson
Overview of communication principles applied to organizations. Detailed study of the main communication channels and of models, media and message types. Prereq., junior standing and permission.			
381. RESEARCH	2 to 4	Arr.	Staff
Not open to graduate students. Prereq., permission.			
395. ADVANCED ARGUMENTATION AND DEBATE	3	8:40	Brandes
Advanced principles of argumentation and persuasion. Analysis of logical, ethical and emotional proofs. Prereq., 15 hrs. including 25 and 112 or equivalent.			
494. RESEARCH	1 to 6	Arr.	Staff
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., permission.			
495. THESIS OR DISSERTATION	As recommended by dept.		Arr. Staff
Prereq., permission.			

SPEECH AND HEARING THERAPY

4. REMEDIAL SPEECH	No credit	Arr.	Barnett
The Speech and Hearing Clinic is equipped and staffed to aid students in overcoming special speech problems. Instruction and supervised remedial practice are offered for individuals and small groups.			

194. SPEECH CORRECTION FOR THE CLASSROOM TEACHER 3 8:40 Barnett
Nature, causes and treatment of defective speech in the public schools with special reference to the role of the classroom teacher.

323. LIP READING 3 7:00 LaFollette
The basic principles of understanding language by observing the speaker's lips and facial expression. Emphasis on both theory and practice with special attention to teaching methods. Prereq., 12 hrs., including 319.

335. DIAGNOSTIC PROCEDURES IN SPEECH & HEARING THERAPY 3 1:40 Ham
The role of diagnosis in speech and hearing therapy; conducting the speech examination; the nature, purpose, administration and interpretation of the more important diagnostic tests and procedures. Prereq., 320 or with 320.

347. THERAPY PRACTICE IN SPEECH & HEARING THERAPY 1 to 3 Arr. Barnett
Supervised experience in the rehabilitation of speech and hearing disorders in the University Speech and Hearing Clinic. Prereq., senior major and permission.

381. RESEARCH 2 to 4 Arr. Staff
Not open to graduate students. Prereq., permission.

494. RESEARCH 1 to 6 Arr. Staff
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., permission.

495. THESIS OR DISSERTATION As recommended by dept. Arr. Staff
Prereq., permission.

(SECOND TERM)

SPEECH

I. FUNDAMENTALS OF SPEECH (6 sections) I 7:00 MW Cooper
7:00 TTh Richards
8:40 MW Richards
8:40 TTh Staats
1:40 MW Staats
1:40 TTh Cooper

3. PUBLIC SPEAKING 2 10:20 Wiseman
Principles of public speaking. Practice in presenting informative, entertaining, and persuasive speeches. Prereq., 1 or proficiency test.

34. ORAL INTERPRETATION OF LITERATURE 3 7:00 Walker
Techniques in oral interpretation and the development of adequate intellectual and emotional responsiveness to the meaning of literature. Prereq., 3 or 7 or permission.

305. PROBLEM SOLVING THROUGH GROUP DISCUSSION 3 8:40 Wiseman
Application of principles of general semantics and group dynamics; purposes, types and methods of discussion; frequent class practice. Prereq., junior standing.

381. RESEARCH 2 to 4 Arr. Staff
Not open to graduate students. Prereq., permission.

412. ADVANCED SPEECH COMPOSITION & DELIVERY 3 7:00 Staats
Advanced study of content, organization, composition, and delivery of lecture-length speeches. Prereq., 112, 309 or equivalent.

494. RESEARCH 1 to 6 Arr. Staff
See description under 494, first term.

495. THESIS OR DISSERTATION As recommended by dept. Arr. Staff
Prereq., permission.

(SECOND TERM)

SPEECH AND HEARING THERAPY

4. REMEDIAL SPEECH	No credit	Arr.	Cooper
See description under 4, first term.			
345. STUTTERING AND PSYCHOGENIC DISORDERS OF SPEECH	3	8:40	Cooper
Nature, causes, development, and treatment of stuttering and other speech defects with psychogenic implications. Prereq., 320 or with 320.			
347. THERAPY PRACTICE IN SPEECH & HEARING	1 to 3	Arr.	Cooper
See description under 347, first term.			
392. SPEECH SCIENCE	3	1:40	Richards
Research methods and laboratory projects. Prereq., senior majors.			
494. RESEARCH	1 to 6	Arr.	Staff
See description under 494, first term.			
495. THESIS OR DISSERTATION	As recommended by dept.		Arr.
Prereq., permission.			Staff

STATISTICS

(FIRST TERM ONLY)

155. BUSINESS STATISTICS	4 (Lec.)	7:00 MTWThF, 8:40 M	Soltow
(Schedule one lab.)			
Lab. 8:40 WF			
Lab. 8:40 TTh			
Elementary statistical methods used in business. Prereq., Ec. 12 or 102 and Math. 3 and 34 or Math. 15 and 16.			
381. RESEARCH IN BUSINESS STATISTICS	1 to 3	Arr.	Staff
Prereq., 18 hrs. business administration including 155 and permission.			

ZOOLOGY

(FIRST TERM)

3. PRINCIPLES OF ZOOLOGY	4	7:00-9:00	MTWTh	Huling
Elementary physiology and anatomy of a living organism to illustrate principles of life: metabolism, growth, reproduction, and heredity. No credit if student has had Biology 1, 2.				
103. READINGS IN BIOLOGY	1	Arr.	Harclerode, Huling	
For students interested in advances in biological fact and thought. Prereq., 4, or Biol. 2.				
343. BIOLOGICAL STUDIES	1 or 2	Arr.	Harclerode, Huling	
Semi-independent studies under the guidance of the instructor. Maximum credit in any one area, 8 hrs. Prereq., 10 hrs. and permission.				
e. Invertebrate Zoology—classification, structure, embryology, and life history of invertebrates.				
g. Physiological Zoology—physiological and related experimental studies.				
h. Readings in Biology—biological history, theory, and advances.				

(SECOND TERM)

4. PRINCIPLES OF ZOOLOGY	3	7:00, 8:40	MTWTh	Huling
A survey of the important animal phyla to illustrate major biological principles; the relationships of animals and their environment; the doctrine of evolution as the underlying principle. Prereq., 3. No credit if student has had Biol. 1, 2.				
103. READINGS IN BIOLOGY	1	Arr.	Harclerode, Huling	
See description under 103, first term.				
343. BIOLOGICAL STUDIES	1 or 2	Arr.	Harclerode, Huling	
e, g, and h (see description above)				

Requests may be enclosed in one envelope and addressed to any one of the officials concerned at OHIO UNIVERSITY, ATHENS, OHIO. Add explanations that you feel will be helpful.

Date _____

DIRECTOR OF ADMISSIONS

I have never been a student for credit work on campus at Ohio University or at one of the branches and I plan to enroll in the 1964 Summer Session. Please send me an application for admission for (check):

- Undergraduate Work
 - looking toward an Ohio University degree.
 - not looking toward an Ohio University degree.
- Graduate Work.
- I desire acceptance for the Summer Session *only*.

Name _____

Street _____

City _____ State _____

Date _____

DIRECTOR OF STUDENT HOUSING

Please provide information about university housing for the 1964 Summer Session:

- Room in dormitory.
- Room in private home.
- Facilities for married students. These are my particular needs.

Name _____

Street _____

City _____ State _____

NOTE: To request registration materials, tear out and mail the *Application for Registration By Mail Form* in the center of this bulletin. New students are sent instructions for registration with their acceptance.





